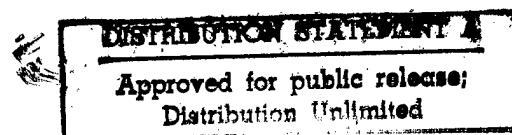

Logistics Management Institute

Review of the Designation of
Acquisition Positions in the
Department of Defense

AQ502MR1

Stephen L. Shupack
Anthony Durso
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Review of the Designation of Acquisition
Positions in the Department of Defense

AQ502MR1/SEPTEMBER 1996

EXECUTIVE SUMMARY

The Defense Acquisition Workforce Improvement Act (DAWIA) requires that positions in the DoD workforce that perform acquisition functions be designated as acquisition positions and that, to the maximum extent practicable, the designations be implemented uniformly throughout DoD. Uniformity of position designations is important because it supports the effective management of accessions, career development, education, and training of the acquisition workforce. The Deputy Under Secretary of Defense (Acquisition Reform) commissioned the Logistics Management Institute to study acquisition position designations in the DoD components to determine if they identify positions consistently and, if inconsistency exists, to identify the causes of the inconsistencies and suggest corrective actions, as appropriate.

In developing our review methodology, we assumed that inconsistencies can occur two ways: through inadequacy of DoD guidance or through incorrect application of the guidance by the Department's components. We based our methodology partly on an algorithm that computes—on the basis of a position's occupational designation, its function, and its association with other designated acquisition positions—the likelihood that a position is an acquisition position. The design of the algorithm is based on the assumption that components have designated positions consistently in accordance with DoD policy. The algorithm is effective in identifying both specific positions and organizations on which components should focus their own review of acquisition-position designations.

In some cases, the algorithm may not identify likely acquisition positions if, in particular organizations, a significant number of acquisition positions have been omitted or if a large number of positions have been inappropriately designated as acquisition positions. To determine whether this has occurred, we also compared acquisition-position designations within and across components. We made these comparisons by occupational series, by functional groupings of occupational series (e.g., logistics, science, and engineering), and by organizations with similar missions or functions.

On the basis of these comparisons, combined with the analysis of the algorithmic results, we concluded that more than 90 percent of the total military and civilian acquisition-position designations in DoD, as required by DAWIA, are correct and comply with DAWIA and DoD policies. We found the designation of *military* acquisition positions in all the components to be appropriate in most cases. However, a few inconsistencies do exist. These are relatively minor and represent differences among the components in their respective approaches to military personnel management. However, in some areas, designation of *civilian* positions is less consistent, suggesting that a significant number of civilian positions may have been omitted from the acquisition workforce or, conversely, may have been inappropriately included in this workforce. In some cases, where large numbers of positions appear to have been omitted from the workforce, issues of compliance with policy may be the underlying cause. In other cases, since the components are generally consistent in which positions they designate as acquisition positions—indicating that they are complying with DoD guidance—we conclude that the inconsistencies that do occur must result from inadequacies in DoD guidance.

Overall, the results suggest a number of areas in which the components should review their current acquisition-position designations to bring them into compliance with DAWIA. The analysis has also suggested a number of policy issues that the Under Secretary of Defense for Acquisition and Technology and the DoD functional boards should consider.

To ensure that DoD is complying with DAWIA, we recommend that the following actions be taken:

- ◆ Each component should use the Institute's detailed lists of possible errors and uncertain positions as a guide to areas in which acquisition position designations should be reviewed.
- ◆ The U.S. Air Force should review the designation of acquisition positions in the field of logistics, across the Air Force (including the air logistics centers), where it appears that too many positions may have been so designated.
- ◆ The U.S. Navy should review the designation of acquisition positions in the Naval Sea Systems Command warfare centers and the Naval Research Laboratory, where large numbers of positions may have been omitted from the acquisition workforce.
- ◆ The Systems Planning, Research, Development, and Engineering (SPRDE), Manufacturing and Production, and Test and Evaluation Functional Boards should take the following steps:
 - ◆ Review the pertinent guidance on career-field designations and provide more specific guidance on the scope of engineering work intended for coverage in the acquisition workforce.

- ◆ Provide guidance on the appropriate situations (if any) in which the subprofessional occupational series of the various types of engineering and science technicians should be included in the acquisition workforce. If such situations are identified, the boards should specify in the appropriate career-field guidance which occupations and situations and determine the desired educational standards.
- ◆ The SPRDE Functional Board should provide specific guidance regarding the type of research activities—e.g., 6.1 (basic research), 6.2 (exploratory development), 6.3a (non-system-specific advanced development)—that DoD intends to be covered by the acquisition workforce.
- ◆ The Procurement and Contracting Functional Board should give clear and definitive guidance on the appropriateness of including (or not including) occupational series 1106 (procurement clerical and assistance, or contracts technician) in the acquisition workforce.
- ◆ The Acquisition Logistics Functional Board should provide more specific career-field designation guidance with more specific definitions and examples of what acquisition logistics is intended to include. Specific guidance should also address the appropriateness of including equipment specialists (series 1670), and supply and transportation series (20XX), in the acquisition workforce.
- ◆ The military departments and the Defense Information Systems Agency should review the designation of the computer specialist (series 0334) positions included as acquisition positions.
- ◆ The Office of the Under Secretary of Defense for Acquisition and Technology should take the following steps:
 - ◆ Review the current definition of acquisition contained in DoD Instruction 5000.58, *Defense Acquisition Workforce*, January 1992, and in the DoD Manual DoD 5000.52-M, *Acquisition Career Development Program*, November 1995, because it may lack the detail and specificity necessary to aid in the proper identification of acquisition positions.
 - ◆ Undertake a review of the DAWIA Management Information System to expand its level of detail, standardize data submissions, and improve its accuracy.

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Chapter 1

INTRODUCTION

Background

The Defense Acquisition Workforce Improvement Act (DAWIA)¹ was enacted to improve DoD acquisition² through improving the acquisition workforce. The intent of DAWIA is to ensure that DoD military and civilian personnel who are engaged in the DoD acquisition process are recognized as professionals. DAWIA requires the Secretary of Defense to establish policies and procedures for the effective management (including accession, education, training, and career development) of DoD's acquisition professionals serving in acquisition positions. Effective implementation of DAWIA depends on the appropriate and accurate designation of acquisition positions throughout DoD.

Section 1701(b) of Title 10 of the United States Code (U.S.C.) specifies that

The Secretary shall ensure . . . to the maximum extent practicable, acquisition workforce policies and procedures . . . are uniform in their implementation throughout the Department of Defense.

The Under Secretary of Defense for Acquisition and Technology is required, by law, to ensure the proper implementation of DAWIA throughout DoD. DAWIA requires uniformity in the designation of acquisition positions to ensure that act's training, education, and experience standards are applied to the full range of positions that perform DoD acquisition functions. Uniformity is also necessary to facilitate workforce standardization and mobility among DoD components. While total uniformity is not practical or even desirable because of the differing missions and organizational makeup of the DoD components, uniformity to the maximum extent practical and beneficial is instrumental to DAWIA implementation.

¹ DAWIA, 10 United States Code, Chapter 87.

² Acquisition is defined in DoD Instruction 5000.58, *Defense Acquisition Workforce*, January 1992, as "the planning, design, development, testing, contracting, production, introduction, acquisition logistics support, and disposal of systems, equipment, facilities, supplies, or services that are intended for use in, or support of military missions."

The impact on acquisition professionals of the uniform implementation of DAWIA, and, in particular, the designation of acquisition positions, cannot be overstated. An important objective of the acquisition career program is the standardization of treatment of personnel, both military and civilian. Ensuring standardized treatment requires that acquisition workforce people be treated the same regardless of their organization. Differences in treatment regarding accession, education, training, and career development requirements should be based only on the function performed. The designation of acquisition positions should, likewise, depend solely on the function performed.

As authorized by law, the Secretary of Defense delegated the authority to designate acquisition positions to the heads of the DoD components. Guidance was included in DoD Instruction (DoDI) 5000.58, *Defense Acquisition Workforce*, January 1992, and in DoD Manual DoD 5000.52-M, *Acquisition Career Development Program*, November 1995. These directives establish the criteria for designating positions in each acquisition career field by summarizing the duties, applicable civilian occupational series or military occupational specialty codes, and representative position titles for positions in each acquisition career field.

As of 30 September 1995, approximately 116,000 military and civilian positions were designated as acquisition positions. However, there is evidence that the components have not always applied the position-designation criteria in a uniform manner. Defense acquisition leadership needs to understand how the criteria have been applied by each component and, where differences exist, assess the rationale for those differences.

Purpose of the Study

The Deputy Under Secretary of Defense (Acquisition Reform) commissioned the Logistics Management Institute to study acquisition position designations in the DoD components to determine if they identify acquisition positions consistently and, if inconsistency exists, to identify the causes of the inconsistencies and suggest corrective actions, as appropriate. Inconsistencies in designation practices indicate areas where likely *omissions* in designating positions as acquisition workforce positions may have occurred. Similarly, the analysis was intended to identify possible errors of *commission*—the inclusion of positions in the acquisition workforce that should not have been included). The analysis of issues suggested by any apparent inconsistencies is intended to identify areas of DoD or component policy that may require modification or clarification. In addition, the study is intended to identify any shortcomings in reporting or in the DAWIA Management Information System for resolution.

Chapter 2

DESIGNATION OF ACQUISITION POSITIONS UNDER DAWIA

Introduction

In this chapter, we provide background on DAWIA, a description of its implementation regarding the designation of acquisition positions, and a discussion of DoD and component policy guidance that affects the designation of acquisition positions. Following the discussion of position designation guidance is a summary of the results of the application of the guidance.

Purpose of DAWIA

The purpose of DAWIA is to improve “. . . the effectiveness of the people who must implement the defense acquisition system and make it work.” The law provides for the establishment of minimum education, training, and experience requirements to be met by people filling acquisition positions. The congressional language made the point that the legislative provisions would focus on acquisition positions rather than the personnel themselves “. . . in recognition of the fact that acquisition is a multi-disciplinary or multi-functional career field.”¹

DAWIA's Provisions on Position Designation

The foundation of the acquisition career program for acquisition workforce people is the proper identification of acquisition positions. DAWIA directs the Secretary of Defense to “. . . designate in regulations those positions in the Department of Defense that are acquisition positions” for the purposes of applying the provisions of DAWIA.²

The law gives wide latitude to the Secretary in designating acquisition positions. The Secretary delegated the authority to designate acquisition positions to “. . . the

¹ 136 Congressional Record H-7377, 11 September 1990.

² DAWIA, 10 U.S.C., Section 1721(a), Chapter 87.

Secretaries of the military departments, heads of DoD components, and principal staff assistants to the Secretary of Defense.”³

DAWIA requires the designation of, at a minimum, all acquisition-related positions in the following areas:

- ◆ Program management
- ◆ Systems planning, research, development, engineering, and testing
- ◆ Procurement (including contracting)
- ◆ Industrial property management
- ◆ Logistics
- ◆ Quality control and assurance
- ◆ Manufacturing and production
- ◆ Business, cost-estimating, financial management, and auditing
- ◆ Education, training, and career development
- ◆ Construction
- ◆ Joint development and production with other government agencies and foreign countries.⁴

DAWIA also identified acquisition-related positions in the activities and support activities at management headquarters.⁵ The law also requires such acquisition-related positions to be designated as acquisition positions. Examples of such activities include the Office of the Secretary of Defense, military department headquarters, major command headquarters, and headquarters of DoD agencies.

DoD Policy and Guidance on Acquisition Position Designations

Under DAWIA, the Secretary of Defense must establish policies and procedures pertaining to the designation of acquisition-related positions. Together, DoDI 5000.58 and DoD 5000.52-M provide the collective DoD guidance governing acquisition position designations. DoDI 5000.58 provides the broad guidance for acquisition position designation, while DoD 5000.52-M provides specific guid-

³ Memorandum for Secretaries of the Military Departments et al., from Don Yockey, Under Secretary of Defense for Acquisition and Technology, Subject, *Designation of Acquisition and Critical Acquisition Positions*, 1 October 1991.

⁴ DAWIA, 10 U.S.C., Section 1721(b), Chapter 87.

⁵ Such organizations are identified in DoDI 5100.73, *Management Headquarters Activities and Management Headquarters Support Activities*, 25 November 1988.

ance for each acquisition position category on typical duties performed, typical career codes (civilian occupational series and military occupational specialty codes), representative job titles, and representative office locations. DoD 5000.52-M defines acquisition positions to be

... civilian positions and military billets that are in the DoD Acquisition System, have acquisition duties, and fall in an acquisition position category established by the Under Secretary of Defense for Acquisition and Technology (USD[A&T]). While most [are] frequently located in organizations having an acquisition mission, acquisition positions are also located in management headquarters (HQ) organizations, management support organizations, and other organizations.

The examples provided in DoD 5000.52-M are fairly detailed but are not comprehensive and serve only as a guide. As a result, interpretation of DoD policy and guidance by military departments and DoD components has apparently led to differences in designation practices.

DoDI 5000.58, *Defense Acquisition Workforce*

The basic policy guidance regarding designation of acquisition positions in DoDI 5000.58 states that

Positions shall be designated as acquisition positions if they are within the DoD Acquisition System, and are established to perform an acquisition function.

Executive-level positions (those filled by political appointees in the executive level (EX) pay plan and wage-grade positions are specifically excluded from designation. Each acquisition position must be in one of the following 15 acquisition position categories:

- ◆ Program management
- ◆ Program management oversight
- ◆ Communications—computer systems
- ◆ Contracting (including contracting for construction)
- ◆ Purchasing and procurement technician
- ◆ Industrial and contract property management
- ◆ Business, cost-estimating, and financial management (BCE&FM)
- ◆ Auditing
- ◆ Manufacturing and production
- ◆ Quality assurance

- ◆ Acquisition logistics
- ◆ Systems planning, research, development, and engineering (SPRDE)
- ◆ Test and evaluation (T&E)
- ◆ Education, training, and career development (ET&CD)
- ◆ Defense Logistics Agency multifunctional management.

In addition, DoDI 5000.58 states the following:

Acquisition positions shall be identified wherever they exist in the Department of Defense, without regard to DoD Component or mission of an organizational element. It is expected, however, that the relative number and functional mix of acquisition positions will vary according to the mission of the organization:

a. Acquisition Organizations. Organizations that have an acquisition mission are expected to have the full range of acquisition positions in most or all of the acquisition position categories.

b. Nonacquisition Organizations. Many organizations not primarily responsible for acquisition programs nevertheless have acquisition positions in the functional area of procurement and contracting (e.g., contracting positions, warranted contracting officers, purchasing, procurement assistant, and industrial property management). Nonacquisition organizations also may have acquisition positions in any other functional area or may have no acquisition positions.

c. Management Headquarters Activities and Management Headquarters Support Activities. . . . The acquisition positions shall be designated according to the position category that applies to the duties. If more than one position category applies, the category designated should be the one that applies to the majority of the duties of the position. . . . Program management oversight is reserved exclusively for use in those organizations . . . for positions at grade level 15, Senior Executive Service (SES), O-6 and above.

DoDI 5000.58 defines an acquisition organization as follows:

An organization, including its subordinate elements, whose mission includes planning, managing, and/or executing acquisition programs which are governed by DoD Directive 5000.1 and DoD Instruction 5000.2. . . .

Table A-1, in Appendix A, lists the designated acquisition organizations. Other guidance in DoDI 5000.58 is more explicit but still open to some interpretation.

Guidance for designating acquisition positions on the basis of occupational series is stated as follows:

As a matter of policy, civilian positions in acquisition organizations, that are classified in the following occupational series, will normally be designated acquisition positions. They should be categorized, as follows:

Series	Position Category
0340	Program management
1102	Contracting
1103	Industrial property management
1105	Purchasing
1910	Quality assurance

Not open to any interpretation is the guidance on contracting specialists (1102 occupational series): "All positions in the 1102 occupational series shall be designated acquisition positions, whether in an acquisition organization or not."

Finally, DoDI 5000.58 states that all other civilian and military acquisition positions will be identified in accordance with the position-category descriptions in Appendices A through L to DoD 5000.52-M.⁶ This review of position designations identified a number of differences in interpretation of DoD policy guidance. We discuss the noteworthy differences in the interpretation and application of DoD guidance concerning the designation of acquisition positions in Chapters 4 through 6.

DoD 5000.52-M, Acquisition Career Development Program

Procedural guidance for position designation is in Appendices A through L to DoD 5000.52-M.⁷ The guidance provided by DoD 5000.52-M is broad in its scope and is characterized by illustrative examples of

- ◆ typical duties;
- ◆ typical career codes—civilian occupational series, U.S. Army officer functional areas (FAs) and areas of concentration (AOCs), U.S. Navy additional qualification designators (AQDs), U.S. Air Force specialty codes

⁶ Before publication of the revised DoD 5000.52-M in November 1995, the position-category guidance was from enclosures 3 through 16 of DoDI 5000.58.

⁷ Supersedes enclosures 3 through 16 of DoDI 5000.58.

(AFSCs), and U.S. Marine Corps military occupational specialties (MOSs);

- ◆ representative job titles; and
- ◆ representative position or office locations.

In addition, DoD 5000.52-M gives requirements for experience, education, and training for certification of personnel at each career level, for each position category. The guidance is sufficiently broad to allow a wide range of interpretation. As an example, the position-category description for the SPRDE career field states that typical duties include the following:

Plan, organize, monitor, manage, oversee, and/or perform research and engineering activities relating to the design, development, fabrication, installation, modification, or analysis of systems or systems components. Duties may require identification, establishment, organization, or implementation of acquisition engineering objectives and policies, or establishing of specifications. Those duties are usually accomplished by scientists and engineers directly supporting acquisition programs, projects, or activities (including medical).

This list of typical duties of SPRDE indeed provides broad guidance. When combined, for example, with the civilian occupational series guidance—which includes references such as “08XX,” which refers to the group of occupations that comprise the “engineering field”—the breadth of guidance subject to interpretation grows considerably. For example, series such as 0801 (general engineer) and 0855 (electronics engineer) are professional series that are found in large numbers within the acquisition workforce.

Another interesting example is the nonprofessional engineering technician series, e.g., 0802 (engineering technician) and 0856 (electronics technician). It certainly is not clear from the position designation guidance whether these positions should be in the acquisition workforce. The representative job titles do not include the title “technician,” but this omission does not constitute definitive guidance. Because engineering technicians do not require a baccalaureate degree from an accredited institution of higher learning in engineering, physics, chemistry, mathematics, or related fields, which is required for members of the SPRDE career field,⁸ they cannot be expected to meet the minimum requirements for career-field certification. Using this logic, these positions should not be designated as acquisition workforce positions. As we demonstrate in Chapter 4, however, different interpretations of this guidance by the components led to different results in their designation of various types of technician positions as acquisition workforce positions.

⁸ DoD 5000.52-M exempts from the baccalaureate degree requirement any employee who, on 1 October 1991, had at least 10 years of acquisition experience in SPRDE.

Position Designation Guidance from the DoD Functional Boards

DoDI 5000.58 establishes the DoD functional boards. These boards exist to oversee management and execution of career-management programs in their respective functional areas. They provide functional advice and recommendations to support implementation of the overall Defense Acquisition, Education, Training, and Career Development Program. A specified responsibility of the functional boards is to ensure that the acquisition position category descriptions and certification requirements are current, complete, and accurate. There are seven DoD functional boards, one for each of the seven acquisition functions. Table 2-1 shows the functional board structure.

Table 2-1. DoD Acquisition Functional Boards Structure

Acquisition functions	Position categories
Acquisition management	Program management Program management oversight Communications—computer systems
Procurement and contracting	Contracting Purchasing Industrial property management
SPRDE and testing	SPRDE Test and evaluation
Production	Manufacturing and production Quality assurance
Acquisition logistics	Acquisition logistics
BCE&FM	BCE&FM
Auditing	Auditing
(No functional board)	Education, training, and career development

As the result of canvassing the functional boards at the outset of this study, we found that none of the functional boards had issued any guidance on position designation to supplement that in DoDI 5000.58 or DoD 5000.52-M. Later results, discussed in Chapter 4, show inconsistency in the designation of occupational series 1106—procurement clerical and assistance, or contracts technician—across the components. This is an example of what happens when guidance on acquisition position designation is unclear. The Director of Defense Procurement, OUSD(A&T), subsequently issued guidance to clarify the status of the 1106 se-

ries.⁹ Essentially, the guidance suggests that positions in the 1106 series are not appropriate for designation as acquisition positions because they cannot be considered a career series and cannot have mandatory certification requirements.

Position Designation Guidance from the Military Departments

The Army provided some limited additional guidance to supplement that contained in DoDI 5000.58 and DoD 5000.52-M for the designation of acquisition positions. The Navy provided brief supplemental guidance on acquisition position designations in a number of areas. The Air Force provided fairly extensive supplemental guidance. No supplemental guidance was provided to the DoD components outside of the military departments that are commonly referred to collectively, within the DoD, as the "Fourth Estate." The DoD components of the Fourth Estate are listed in Table A-2, in Appendix A.

POSITION DESIGNATION GUIDANCE—ARMY

The Army annually publishes a list of civilian acquisition positions, *The Army Civilian Acquisition Position List*. The Army extensively documented the initial designation of civilian acquisition positions. In a report, *Department of the Army Acquisition Positions Fiscal Year 1992*, dated 10 July 1992, the Army reported that it had made use of the "chain of command" to designate acquisition positions. Broad use was made of DoDI 5000.58 and DoD 5000.52-M, and additional specific guidance was provided for several position categories, as described in the following subsections.

Business, Cost Estimating, and Financial Management (BCE&FM)

Positions meeting the criteria of DoDI 5000.58 could be included only if they met one or more of the following criteria:

- ◆ Duties included the performance of cost analysis in support of acquisition programs.
- ◆ Duties involved contract cost performance.
- ◆ Positions provided direct support to program managers (PMs) or program executive officers (PEOs).
- ◆ Matrix-management supported positions reimbursed by PEOs and PMs.

⁹ Memorandum for Directors of Defense et al., Eleanor R. Spector, Director of Defense Procurement, Subject, *Clarification of Status of the 1106 Series (Contracts Technician)*, 24 August 1995.

- ◆ Positions had been previously designated as "Army Acquisition Corps" positions.

Acquisition Logistics

The Army Deputy Chief of Staff for Logistics issued an interpretation of the criteria used for the designation of acquisition logistics positions as acquisition workforce positions.¹⁰ In summary, the guidance was that acquisition logistics positions should come from those positions where more than 50 percent of the time is devoted to integrated logistics support (ILS) management activities, as defined in Army Regulation 700-127, Integrated Logistics Support, December 1986. Examples of acquisition logistics positions that qualified as acquisition workforce positions include

- ◆ Deputy/Assistant Program Manager for Logistics (both major and non-major programs),
- ◆ ILS branch/division/office chief,
- ◆ ILS staff officer (responsible for such things as ILS policy, oversight, and evaluations),
- ◆ ILS manager (ILSM) or ILS officer.
- ◆ ILSM in a matrix management assignment to a PEO and PM staff, and
- ◆ logistics support analysis and logistics support analysis record managers,

The Army guidance cautioned against designating, as acquisition positions, those positions that are involved primarily in functional elements of logistics and not ILSM positions. A summarized Army definition of ILS is¹¹

... a disciplined, unified, and interactive approach to the management and technical activities necessary to:

- Integrate support considerations into system and equipment design
- Develop support requirements that are related consistently to readiness objectives, to design, and to each other.
- Acquire the required support.
- Provide the required support during the operational phase at minimum cost.

¹⁰ Message, DALO-ZA, "LTG Salomon Sends," 211925ZMAY92, Subject, *Designation of Acquisition Logistics Positions Within The Army*.

¹¹ The Army War College, *Army Command, Leadership, and Management: Theory and Practice, 1995-1996*, Carlisle, Pennsylvania, 30 June 1995, pp. 16-32.

As we show in Chapters 4, 5, and 6, acquisition logistics is a position category that was interpreted differently by each of the components, which led to different results in designating positions in the category of acquisition logistics.

Communications—Computer Systems

Positions were included that

- ◆ support major automated information systems (AISs) in which
 - ◆ total anticipated program costs exceed \$100 million,
 - ◆ program costs annually exceed \$25 million, or
 - ◆ the program has been designated by the Office of the Secretary of Defense as a “special interest” program;
- ◆ support Army Major Automation Information System Review Council systems or support major-command AISs costing \$2.5 million to \$10 million; and
- ◆ support efforts requiring significant contractor involvement in large information systems.

Application of Special Criteria Pertaining to Engineers and Scientists

Engineers and scientists are appropriately designated in the following acquisition position categories:

- ◆ *Nonconstruction.* All engineering and scientific positions within the Army Materiel Command were to be included with the exception of
 - ◆ positions involved in research only;
 - ◆ positions with no funding, programmatic, or management responsibility;
 - ◆ positions that did not consult on acquisition matters;
- ◆ *Resources and construction.* This category would not normally include any acquisition positions except for civil engineering positions in the 0810 series where the incumbents were warranted administrative contracting officers.

Exclusions by Occupational Series

The Army considered positions in the series listed in Table 2-2, by definition, not to be positions meeting the acquisition criteria.

Table 2-2. Army Guidance on Occupational Series Not Eligible for Acquisition Designation

Series	Title
0018	Safety and occupational health management
0080	Security administration
0132	Intelligence
0303	Miscellaneous clerk and assistant
0318	Secretary
0322	Clerk/Typist
0332	Computer operation
0344	Management clerical and assistance
0561	Budget clerical and assistance
0962	Contact representative
1020	Illustrating
1083	Technical writing/editing
1410	Librarian
1801	General inspection, investigation compliance
2000	Supply group (except for the 2003 series)
2100	Transportation group

Military Positions

The Army annually publishes the *Military Acquisition Position List*, a list of all validated military acquisition positions. While criteria for assigning position categories is the same as for civilian positions, the basic determination of the position's status as an acquisition position is much simpler. All military positions requiring an officer whose functional area is research, development, and acquisition (FA 51) or contracting and industrial management (FA 97) are to be designated as acquisition positions. In addition, for officers in the systems automation FA, those positions requiring AOC 53C are to be designated as acquisition positions. Officer positions requiring AOC 53B (systems automation engineering) are to be acquisition positions if the duties of the position primarily involve acquisition of AISs. All Army officer positions designated as acquisition positions are supposed to have skill codes 4M (Army Acquisition Corps candidate officer) or 4Z (certified Army Acquisition Corps officer) indicated in addition to the previously mentioned FAs and AOCs.

POSITION DESIGNATION GUIDANCE—NAVY

Department of the Navy guidance on position designation was published in Secretary of the Navy Instruction (SECNAVINST) 5300-36, *Department of the Navy*

Acquisition Workforce Program, 21 May 1995. The Navy also provides supplemental guidance in addition to that contained in DoDI 5000.58, as summarized below:

- ◆ Designate all positions in the 1102, 1103, and 1105 occupational series.
- ◆ Designate all positions that require the incumbent to hold a warrant above the small purchase threshold.
- ◆ Do not designate positions in the 1106 occupational series.
- ◆ Do not designate positions primarily involved in 6.1 (basic research) and 6.2 (applied research/exploratory development) programs.
- ◆ Do not designate Federal Wage System and executive-level positions. Senior Executive Service positions may be designated as acquisition positions.
- ◆ Military reservist and enlisted positions may be designated on a case-by-case basis after consultation with the Director of Acquisition Career Management.

Military officer positions for naval officers are designated by an AQD beginning with the letter "A." Marine Corps officer positions with the MOSs listed in Table 2-3 are considered to be appropriate for designation as acquisition positions if the predominance of the duties are involved in the acquisition process.

POSITION DESIGNATION GUIDANCE—AIR FORCE

The Air Force has written a series of detailed guidance documents regarding acquisition position designation.¹² These documents reiterate the guidance contained

¹² Memorandum for the vice commanders of major commands and field operating activities, from the Chairman of the U.S. Air Force Acquisition Professional Development Council, Daniel S. Rak, Subject, *Identifying Acquisition Positions*, 19 August 1991; Memorandum for major commands and central civilian personnel offices, from the Chief of the U.S. Air Force Affirmative Employment and Work Force Development Division, Directorate of Civilian Personnel, Gregory W. Den Herder, Subject, *Civilian Acquisition Professional Development Program*, 20 August 1991; Memorandum for the vice commanders of major commands and field operating activities, from the Deputy Assistant Secretary of the Air Force (Acquisition), Daniel S. Rak, Subject, *Identifying Acquisition Positions*, 6 July 1992; Memorandum for Acquisition Professional Development Program Command Focal Points, from the Acting Director of Acquisition Career Management, Office of the Assistant Secretary of the Air Force (Acquisition), Teddy L. Houston, Subject, *Civilian Non-critical Acquisition Positions*, 23 August 1993; Memorandum for Acquisition Professional Development Program Command Focal Points, from the Associate Director of Acquisition Career Management, Office of the Assistant Secretary of the Air Force (Acquisition), Teddy L. Houston, Subject, *Acquisition Position Review*, 7 December 1993; U.S. Air Force Materiel Command, *AFMC Scientific & Technical Acquisition Coding Guidance*, Headquarters, U.S. Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio, undated; and Office of the Assistant Secretary of the Air Force (Acquisition), *U.S. Air Force, Acquisition Professional Development Program Guide*, Washington, D.C., 15 July 1994.

Table 2-3. Marine Corps Officer MOSs in Acquisition Positions

MOS	Title
9620	Aeronautical engineer
9624	Chemical engineer
9626	Electronics engineer
9628	Computer engineer
9630	Industrial engineer
9634	Electronic warfare systems officer
9636	Communications engineer
9644	Financial management specialist
9646	Data systems specialist
9648	Management, data systems officer
9650	Operations analyst
9652	Defense systems analyst
9656	Contracting officer
9657	Systems acquisition management officer
9658	Command, control, and communications systems officer
9662	Materiel management officer
9957	Acquisition professional candidate (acquisition positions only)
9958	Acquisition management officer (acquisition positions only)
9959	Acquisition professional manager (acquisition positions only)

in DoDI 5000.58 and DoD 5000.52-M and provide detailed instructions for each aspect of identifying, coding, and reporting both military and civilian acquisition positions.

The key Air Force guidance on acquisition position designation is that designation is to be based on the duties of the position, i.e., if 50 percent or more of the required duties of the position are related to acquisition. This 50 percent requirement does not apply to positions in the contracting, purchasing, and industrial property management fields (GS-1102, GS-1103, GS-1105, and GS-1106), which are assumed to always be acquisition positions. This assumption is also applied to AFSC 65XX for officers and 651X0 for enlisted personnel. The Air Force has also made specific provision for the designation of enlisted positions in the contracting and acquisition logistics fields.

The Air Force definition of an acquisition position, which is provided in its guidance on the designation of civilian acquisition positions, is revealing because it is different from that in DoDI 5000.58. The following definition appeared in a Headquarters, Air Force, Civilian Personnel Policy and Places, letter on the Civilian Acquisition Professional Development Program (20 August 1991):

For purposes of the Acquisition Professional Development Program (APDP), an acquisition position deals with conceptualization, initiation, design development, and test, contracting, production, deployment and logistics support of weapon and other systems, supplies or services, to satisfy department needs. Logistics support is limited to acquisition logistics, contracting and program management functions. "To satisfy department needs" means to obtain or acquire goods or services for the department. The emphasis in the Air Force is on systems acquisition.

The Air Force Materiel Command (AFMC) has the preponderance of acquisition positions in the Air Force. AFMC established the following internal guidance for the designation of positions related to science and technology (S&T):¹³

1. Acquisition related activities include conceptualization, initiation, design development, and test, contracting, production, deployment and logistics support of weapon and other systems, supplies or services. For S&T, the functional areas encompass 6.1 (basic research), 6.2 (exploratory development), and 6.3a (non-system specific advanced development) activities and include science and engineering derived from human resources research. As a general rule, most 6.2 and 6.3a work could be considered as involving the conceptualization, design and development of components and/or subsystems which could be included in weapons systems. Likewise, work funded by 6.3b (system specific advanced development), 6.4 (demonstration and validation) or Major Force Programs (MFP), other than MFP6 (research and development), can generally be considered acquisition related.
2. If the acquisition-related job elements require 50 percent or greater of the employee's time, then the position should be coded acquisition.
3. Contrasting position criteria:
 - a. Generally speaking, 6.1 work is not included in the acquisition process at the higher grade levels. The philosophy is that if the employee's work is principally bench level, developing a new generic material or process, deriving patents, speaking as a recognized expert in his area, and publishing in refereed journals, the position is NOT acquisition.
 - b. In contrast, if the employee supervises several different technology disciplines, writes statements of work, consults with systems program offices (SPOs) relevant to technology insertion opportunities or system development shortfalls, does proposal evaluations for applications to weapons systems, is responsible for technology tran-

¹³ Headquarters, *Air Force Materiel Command, Science, and Technology Acquisition Coding Guidance*, 1992.

sitions into weapons systems, provides science and technology advocacy within the DoD structure, formulates research objectives and policies, develops plans, establishes and monitors research programs and projects, coordinates research activities, and allocates and controls resources to accomplish research objectives, the position should be coded acquisition.

- c. In considering the previous two paragraphs (a and b), if the dominant elements of the employee's duties are the tasks in paragraph b, the position is acquisition.
4. As a general criterion, all entry-level positions through pay grades GS-12/O-3 should be coded acquisition to provide credit toward acquisition experience requirements. At the pay grades GS-12/O-3 level and above, if the position does not involve significant acquisition (vice purely scientific or technical) elements, the incumbent should no longer collect acquisition credit. This provides a sorting element for the scientist vs. management career paths.

The Air Force took the view that liberal designation of acquisition positions at the more junior grades was desirable to ensure that a large pool of personnel are developed over time who can meet the experience requirements of DAWIA.

Air Force military positions are also identified as acquisition positions if 50 percent or more of the duties performed are related to acquisition. As mentioned earlier, the Air Force designates certain enlisted positions in the contracting and acquisition logistics fields as acquisition positions. Military and civilian acquisition positions can be identified in the Air Force Manpower System by a two-character acquisition code—using the manpower code field reserved for the required language ability (RLA)—that specifies the position requirements. The first “character” of the acquisition code indicates the level of a position; whether or not it is critical, and whether or not it is a division head. The second character of the acquisition code identifies the functional area (or acquisition position category). Appendix B lists the acquisition RLA codes and associated designation guidelines.

DAWIA Management Information System

The DAWIA Management Information System (DAWIA MIS) and the reporting requirements pertaining to acquisition positions and personnel is established by DoDI 5000.55, *Reporting Management Information on DoD Military and Civilian Acquisition Personnel and Positions*.¹⁴ The DAWIA MIS exists to provide standardized information on acquisition positions and people serving in acquisition

¹⁴ DoDI 5000.55, *Reporting Management Information on DoD Military and Civilian Acquisition Personnel and Positions*, 1 November 1991.

positions. Information on people who are members of the acquisition workforce but are not serving in an acquisition position is also included in the DAWIA MIS. Position data as of the end of March and September of each year are reported by the components to the Defense Manpower Data Center for inclusion into the DAWIA MIS. Data on personnel is reported as of the end of each fiscal quarter.

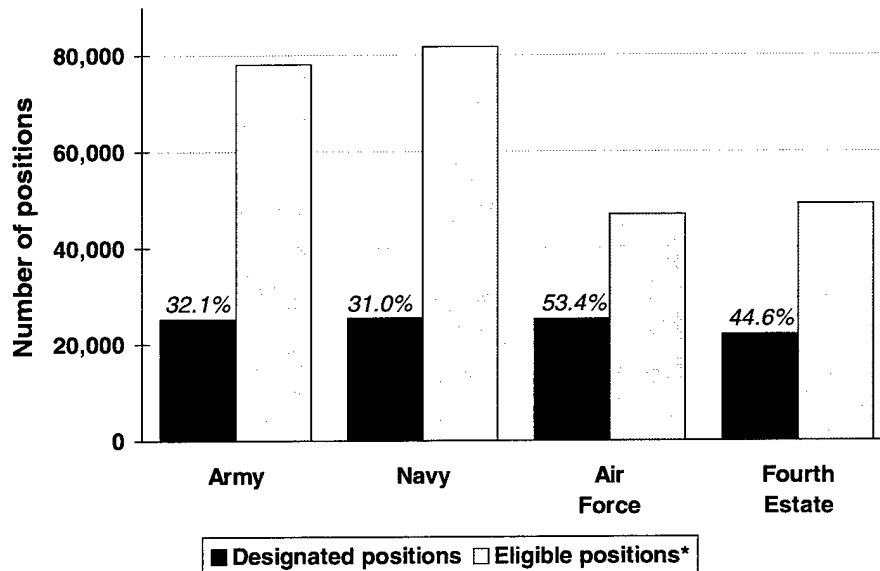
The information in the DAWIA MIS is important because it is the official source of data for the annual report of the Secretary of Defense to Congress on the status of the DoD acquisition workforce. The DAWIA MIS provides data that is useful for understanding the size and composition of the acquisition workforce, as well as the current state of the qualification of the workforce.

By definition, the DAWIA MIS could not be the principal source of data for an acquisition position designation study of this nature. Because only “reported” positions are included in the DAWIA MIS, we required a more comprehensive data source to examine all potentially eligible positions, in an organizational context, to understand the acquisition position designation practices of each component.

Application of the Position Designation Guidance

The results of the DoD components’ applying the collective position designation guidance are in the DAWIA MIS position file. A useful starting point for analysis is to understand the aggregate composition of the positions in the acquisition workforce resulting from applying the position designation guidance. Some simple component comparisons suggest where designation practices appear to be consistent or inconsistent.

Figure 2-1 shows the number of civilian positions designated as acquisition positions versus the total number of eligible positions, based on component input for this study. We determined the number of eligible positions by counting the number of positions in occupational series specifically identified in DoDI 5000.58 and DoD 5000.52-M. The concept of eligible position is a means for us to place bounds on the issue of acquisition position designation for purposes of analysis. The concept plays a key role in our methodology and permits us to highlight a number of issues. Only encumbered (filled) positions were counted for the purposes of all analysis.



*Eligible positions are those with occupations identified in DoDI 5000.58 and DoD 5000.52-M.

Figure 2-1. Civilian Acquisition Position Designations Versus Eligible Positions as of 30 September 1995

In contrast, Figure 2-2 shows the number of designated positions versus total civilian workforce size. As seen in Figures 2-1 and 2-2, both the Army and Navy civilian acquisition position designations are similar. Air Force designations are proportionally higher, taken either as a percentage of eligible positions or as a percentage of total encumbered positions. Fourth Estate designations appear to be proportionally greater than the Army or Navy and close to those of the Air Force. The preponderance of the Fourth Estate acquisition positions are in the Defense Logistics Agency. Because the mission of Fourth Estate organizations tend to be highly focused on the basis of function, we do consider further comparisons of the military departments to elements of Fourth Estate organizations to be useless.

Examining the distribution of total investment account dollars (procurement; Research, Development, Test and Evaluation (RDT&E); and military construction) in the President's budget for FY96 (Figure 2-3) reveals some useful insight. The proportionate allocation of investment resources is consistent with the proportionately high number of acquisition positions in the Air Force and the fewer number of designations of acquisition positions by the Army. The appropriateness or the consistency of the number of designations by the Navy should, perhaps, be closer to those of the Air Force than those of the Army because of the Navy's proportionately high level of investment dollars. While no conclusion should be drawn from these comparisons of investment resources to the size of the respective acquisition workforce in each military department, the amount of money budgeted by each military department may correlate somewhat to the size of the acquisition workforce.

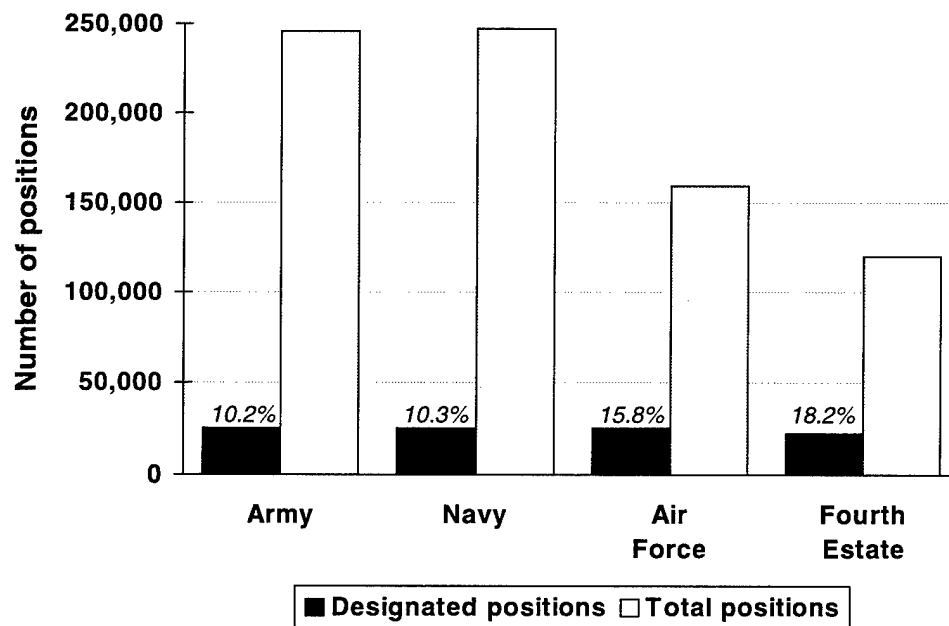


Figure 2-2. Acquisition Position Designations Versus Total Number of Civilian Positions as of 30 September 1995

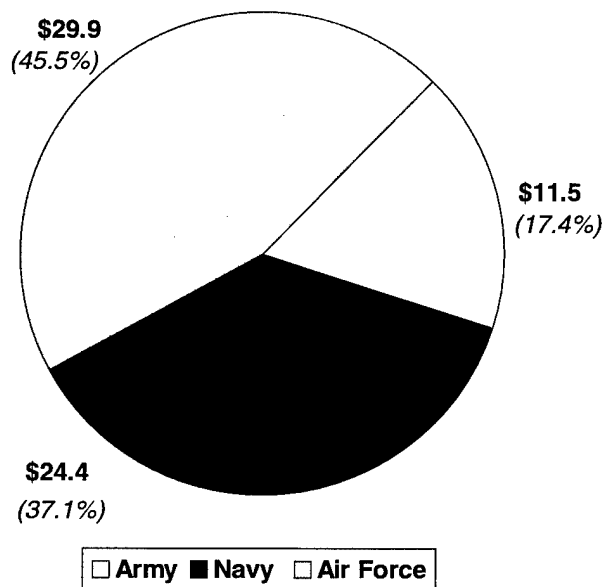


Figure 2-3. Investment Account Total Obligational Authority by Military Department (FY96 President's Budget) as of 30 September 1995 (\$ in billions)

Examination of data reported to the DAWIA MIS as of the end of September 1995 provides some initial insights to uniformity and consistency in position designations as well as some differences that exist among the components. Figure 2-4 shows the position composition of the civilian acquisition workforce by acquisition position category. The contracting and purchasing position categories are in comparable use across all components. Acquisition logistics is used disproportionately by each of the military departments. The preponderance of auditing and quality assurance positions are in the Fourth Estate. The largest number of acquisition positions in the military departments is in SPRDE. Note that the number of civilian acquisition positions reported by the Army is the greatest, although the Army has the smallest combined amount of procurement, RDT&E, and military construction acquisition in Figure 2-3. It is also interesting to note that the total Navy positions in the combined categories of SPRDE, manufacturing and production, and test and evaluation is the lowest of the three military departments.

Figure 2-5 shows the military acquisition positions reported to the DAWIA MIS, as of 30 September 1995. Although the number of military acquisition positions in the Air Force appears much higher than the number in the Army or Navy, the difference is explained by different personnel management policies of the Air Force. In the Air Force, the acquisition career field includes junior officers, from their time of accession to active duty. The Army and Navy designate officers as members of the acquisition workforce much later in their respective careers. Another significant difference in the Air Force approach is the designation of a significant number of enlisted positions as acquisition positions. In September 1995, the Air Force reported 575 enlisted positions as acquisition workforce positions. By contrast, the Army reported 4 enlisted acquisition positions (a reporting error); the Marine Corps, 126; and the Navy, only 39.

Summary

In this chapter, we summarized the guidance of DoD, the components, and the acquisition functional board pertaining to the designation of acquisition positions under DAWIA. We have also shown the results of the application of the collective guidance by components. DoD and supplementing component guidance regarding the designation of acquisition positions has been subject to interpretation during implementation. As a result, some differences or inconsistencies exist across components in resulting acquisition position designations.

The remainder of this report will focus on the methodology for assessing how well DoD has done in complying with DAWIA and its own policies in the designation of acquisition positions; the analysis of the results of the application of the methodology; and the issues suggested by the analysis. In the next chapter, we discuss the methodology used in the study.

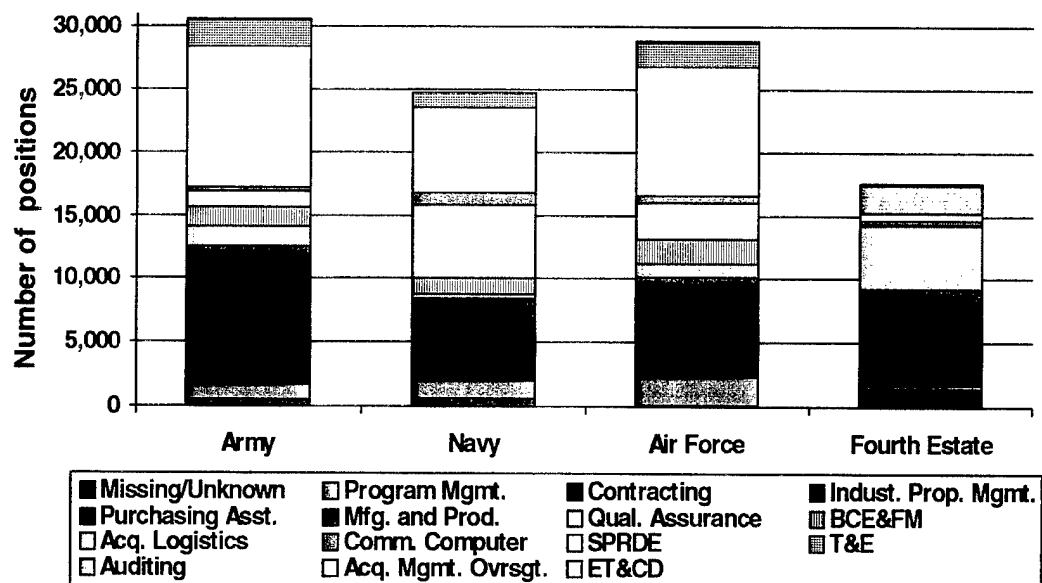


Figure 2-4. Civilian Acquisition Positions by Acquisition Career Field as of 30 September 1995

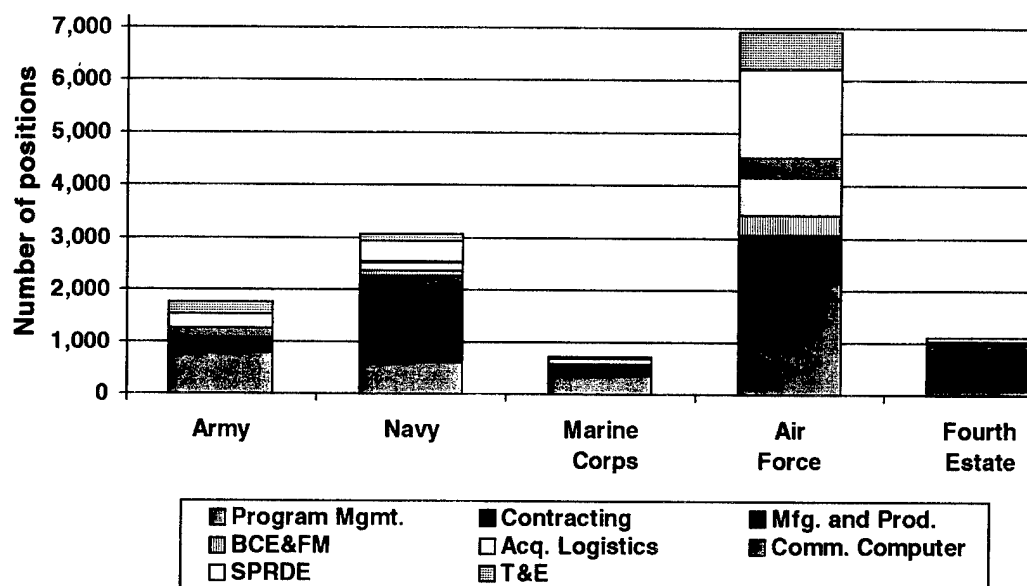


Figure 2-5. Military Acquisition Positions by Acquisition Career Field as of 30 September 1995

Chapter 3

METHODOLOGY

Introduction

In the previous chapter, we showed that it is easy to note inconsistencies across DoD in the manner in which acquisition positions are designated. Because inconsistencies exist, it became important for us to develop a methodology that permits us to identify where inconsistencies occur and to understand them.

Our methodology provides a capability to understand how the components applied the position-designation criteria, to assess the consistency and validity of component-designation practices, and to assist decision-makers regarding potential changes in DoD policy and the law.

Methodological Alternatives

To review the designation of acquisition positions, we had to develop a methodology that allowed us to collect and examine data for more than 1 million civilian and military positions efficiently and cost-effectively. On the basis of experience gained from other projects, we concluded that we could use one of three possible techniques successfully. Each technique had certain advantages and disadvantages over the competing techniques, and we made our choice on the basis of accuracy, timeliness, and cost. The competing alternatives are

- ◆ surveying the incumbents in all eligible positions in acquisition organizations and selected positions in nonacquisition organizations;
- ◆ conducting desk-side audits with selected samples of position incumbents in both acquisition and nonacquisition organizations; and
- ◆ reviewing position and organizational data submitted by components, and position and personnel data in the DAWIA MIS and other relevant data systems.

THE SURVEY PROCESS

This procedure requires participants to answer a carefully scripted questionnaire. Depending on the nature of the study, the entire eligible population or a statisti-

cally significant sample of the eligible population may be included in the data-collection effort. However, because large surveys (as would be required by this study) are difficult and time consuming to administer, the decision to use them should be made prudently on the basis of the size and complexity of the study. To use a survey to collect data, the following steps need to be taken:

- ◆ Identify the characteristics of positions for which data must be collected.
- ◆ Develop a questionnaire.
- ◆ Get administrative approval from the Defense Manpower Data Center (DMDC).
- ◆ Test the survey instrument.
- ◆ Identify survey recipients.
- ◆ Produce, distribute, collect, and process the surveys.
- ◆ Coordinate the receipt of processed survey data with the subcontractor.
- ◆ Analyze the survey results.

The greatest advantage of using a survey is that it enables collection of the specific data needed to conduct the appropriate analysis. However, on the downside, surveys are difficult to get approved, require the cooperation of each participant, are time consuming, and are expensive. Because we would have had to survey several hundred thousand civilian and military positions, we decided not to use surveys to collect data for this study.

DESK-SIDE AUDITS

Desk-side audits have also been used successfully to collect data in support of studies. This procedure requires a face-to-face interview with each person selected to participate in the study and usually includes only a sample of the eligible population. To use desk-side audits to collect data, the following steps need to be taken:

- ◆ Identify the characteristics of positions for which data must be collected.
- ◆ Develop a questionnaire.
- ◆ Identify a sampling of organizations or positions to interview.
- ◆ Visit host organizations to conduct interviews.
- ◆ Analyze interview results.

Desk-side audits provide accurate information because of the face-to-face contact with study participants. However, because desk-side audits are time consuming and expensive, they are only suitable for studies in which inferences can be made

from collecting and analyzing sampling data. Because of the large number of positions involved, we also deemed this data-collection technique to be inappropriate.

REVIEW OF EXISTING DATA

Because of the large number of positions that needed to be examined, we decided to conduct our analysis using existing data. We had to collect large amounts of personnel and position data from each of the components and the DMDC. We collected data from

- ◆ the DAWIA MIS position file;
- ◆ the DAWIA MIS personnel file;
- ◆ the Civilian Personnel Master File;
- ◆ the Active Duty Master File;
- ◆ component civilian personnel data systems;
- ◆ the Defense Business Operations Fund (DBOF) System; and
- ◆ Army, Navy, Air Force, and Marine Corps manpower authorizations systems.

We needed data that identified the position, the organizational setting, and the function performed by the position incumbent. In addition, the data in different data sources had to be linked by position numbers, or the Social Security number of position incumbents had to be linked to organizational settings, so that they could be used in support of our analysis. The linkage of DAWIA position designations to the organizational setting of positions was challenging because

- ◆ each component has a different method of recording this type of information;
- ◆ all of the components have difficulty linking the DAWIA position number to manpower authorization systems;
- ◆ manpower authorizations do not accurately reflect civilian requirements; and
- ◆ civilian-personnel data systems contain positions that are vacant, have been abolished, or will never be filled.

Study Approach

With the decision made to use existing data to support our analysis, we needed to develop a study protocol that enabled us to make some valid statements about the

consistency of acquisition position designations within and across the components. By measuring consistency, we were trying to

- ◆ determine if the components applied the criteria for designating acquisition positions in a standard manner;
- ◆ evaluate positions that were not designated as acquisition workforce positions but that possessed characteristics that qualified them for designation under current policy;
- ◆ analyze designation practices among the DoD components to determine their rationale for designating or not designating positions; and
- ◆ develop options to make DoD policy guidance more effective.

CONSISTENCY CHECKS

Consistency is a measure of how accurately the DoD components have applied the criteria for designating acquisition positions. In an ideal world, because the criteria for designating acquisition workforce positions come from common sources (DoDI 5000.58 and DoD 5000.52-M), designation practices should be similar within each component and across the components. To understand how consistently acquisition workforce positions were designated by the components, we conducted consistency checks

- ◆ across components, by occupational field;
- ◆ within components, by occupational field, in the aggregate;
- ◆ across organizations, by occupational field; and
- ◆ within organizations, by occupational field.

Before conducting any analysis, we anticipated that the following types of inconsistencies might be observed:

- ◆ Some positions in an organizational setting would be designated acquisition positions, while similar positions in the same organizational setting would not be designated as acquisition positions.
- ◆ The acquisition career field of a position would be different than that of the incumbent.
- ◆ The acquisition career fields for positions in the same organization and in the same occupation would be different.

POSSIBLE CAUSES OF POSITION DESIGNATION INCONSISTENCIES

Inconsistencies in designating acquisition workforce positions could be caused in a few ways. Guidance on designation of acquisition workforce positions may have been too broad and it may have been misinterpreted. In addition, the current definition of an "acquisition organization" is vague. This could have resulted in the guidance linking organizations, the acquisition functions performed, and the job series being too general to ensure that it was clearly understood.

ASSUMPTIONS

We analyzed existing data using the following assumptions:

- ◆ Position requirements and authorizations were properly stated with respect to military or civilian occupation and grade.
- ◆ Blue-collar civilian occupations were not included as part of the acquisition workforce.
- ◆ Unencumbered civilian positions were not to be included in the analysis.

We assumed the designation of position occupation and grade to be accurate, because this information is routinely included in the job classification process and is carefully scrutinized by job classification experts. We excluded blue-collar occupations from our analysis because they are not included in the acquisition workforce under DAWIA. Because component "manpower" systems do not accurately reflect civilian position requirements and authorizations, all information we used about a civilian position came from the respective data system for civilian personnel. We included only encumbered civilian positions in the analysis because abolished positions or positions otherwise not slated for future fill are routinely left in the civilian personnel data systems for some time. Because there was no way to distinguish between a valid vacant position that would be filled sometime in the near future and a position that has "gone away," we determined that encumbered positions provided the most reliable base set of positions for the analysis.

EXPECTED RESULTS

As a result of this study, we expected to produce, as a minimum,

- ◆ a list of positions that the components have apparently correctly coded as acquisition workforce positions;
- ◆ a list of positions that were designated by components as acquisition workforce positions, that do not have the characteristics of acquisition workforce positions, or are not closely associated with other acquisition

positions in the same organizational setting—a condition referred to as a “possible error of commission”; and

- ◆ a list of positions that were not designated by components as acquisition workforce positions, that have the characteristics of acquisition workforce positions, and that are closely associated with other acquisition positions in the same organizational setting—a condition referred to as a “possible error of omission.”

The possible errors of commission and omission generated by the methodology should not be viewed as a definitive list of position-designation errors. The “possible errors” should serve as pointers to areas where position-designation inconsistencies exist and should be reviewed by the components to determine if changes are appropriate. To provide these and other results, we developed a methodology to collect, manage, process, and analyze data; to develop issues; and to provide feedback to the components. Figure 3-1 shows an overview of the methodology.

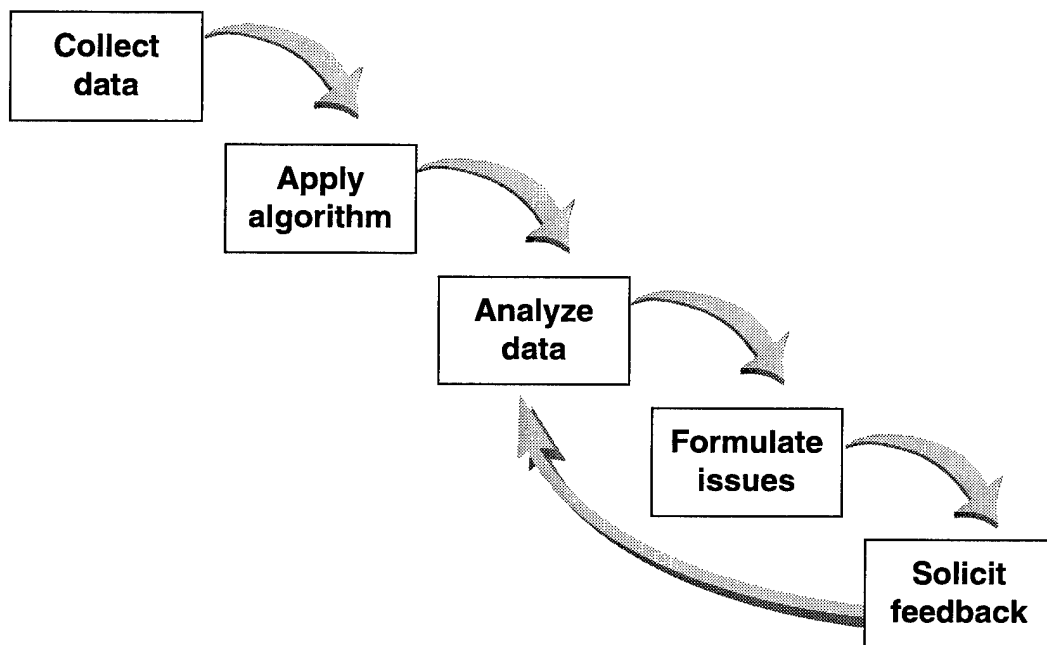
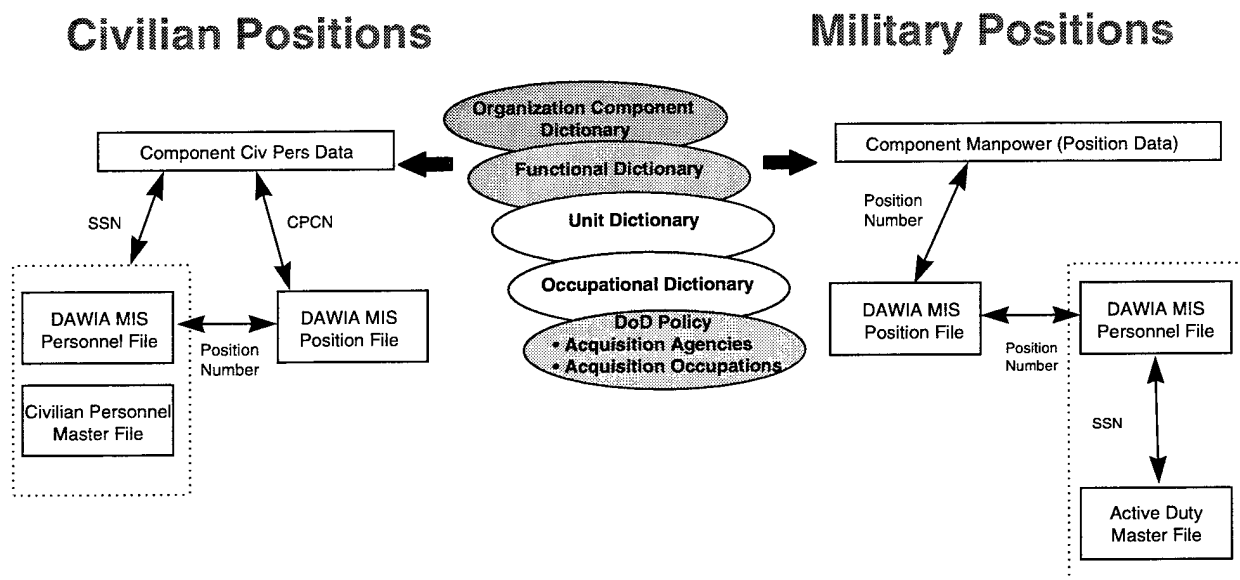


Figure 3-1. Methodology Overview

Each step in the methodology is discussed in the subsequent sections of this chapter.

Data Collection

To support this study, we collected position data from each component and from DMDC. The data they provided us were extracted from component civilian personnel data systems, the DBOF System, and the manpower systems for each of the military services. DMDC also provided us with data extracts from the DAWIA MIS personnel file, DAWIA MIS position file, Civilian Personnel Master File, and Active Duty Master File. For this large amount of data to be useful, however, we had to link the data by relating unique elements that are common to all the data sources. The primary civilian position data used for analysis were the data provided by the components. The data reported to and maintained by DMDC do not have organizational detail below unit (unit identification code, or UIC) level nor do they contain the functional codes used by some of the components. Figure 3-2 graphically depicts this process.



Note: SSN = Social Security number; CPCN = civilian position control number.

Figure 3-2. Linking Key Data

In the course of linking these databases, more than 5 million data records were collected. Key information collected for each position included

- ◆ component;
- ◆ agency;
- ◆ major command;

-
- ◆ organizational details of units down to directorate, division, branch, and section, or other lowest relevant organizational level (LROL);
 - ◆ position titles;
 - ◆ function supported by position;
 - ◆ occupation;
 - ◆ grade;
 - ◆ acquisition position designation;
 - ◆ civilian position control numbers;
 - ◆ manpower system position identification number; and
 - ◆ incumbent Social Security numbers.

Algorithm for Civilian Positions

Once we collected, linked, and stored the data in a readily accessible relational database, we developed a procedure to determine if positions were consistently designated as acquisition positions. This procedure had to be effective, efficient, and readily reproducible. Because of the distinct steps required in this procedure, we chose to call it an “algorithm.” The algorithm we used to analyze civilian positions has four steps: screening, scoring, ranking, and clustering. We discuss the designation of military acquisition positions in Chapter 5.

SCREENING

Screening is the process of examining each position to determine if it meets certain criteria. The screening process categorizes positions as “acquisition,” “non-acquisition,” or “uncertain.” The positions classified as “uncertain” must pass through the other steps in the algorithm to determine their status. The Army and the Air Force have codes that indicate the type of function performed by a position incumbent. Therefore, for the Army and the Air Force, we used the occupational series of the position and the function performed by the incumbent in the screening process. For the Navy and the Fourth Estate, we used only the occupational series in the screening process because these components do not have codes that indicate the type of function performed by a position incumbent.

Army and Air Force

According to DoDI 5000.58 or DoD 5000.52-M, occupational series 1102 (contracting), 1105 (purchasing), and 1106 (procurement clerical and assistance) are acquisition series, and positions coded with any of these series numbers should be designated as acquisition positions. If a position was coded as occupa-

tional series 1102, 1105, or 1106, the algorithm automatically classified it as an acquisition position.

If a position was not coded as being in the 1102, 1105, or 1106 series, but was coded in one of the other acquisition-eligible series listed in DoDI 5000.58 or DoD 5000.52-M (Appendix C), we made a second check to see if the incumbent was performing an acquisition function. Using the Army and the Air Force codes that indicate the type of function performed by a position incumbent, the algorithm classified the position "acquisition" if the function performed is an acquisition function. We list the Army acquisition functions in Appendix D and the Air Force acquisition functions in Appendix E.

If a position was coded in one of the other acquisition-eligible series listed in DoDI 5000.58 or DoD 5000.52-M (Appendix C), but the function performed was not an acquisition function, then the algorithm classified the position as "uncertain." Uncertain positions were subjected to further analysis. If the position was not coded as being in the 1102, 1105, or 1106 series, or one of the other acquisition-eligible series listed in DoDI 5000.58 or DoD 5000.52-M, the algorithm classified the position as "nonacquisition."

We modified the listing of acquisition-eligible series listed in Appendix C by assuming that nonprofessional series in the biological (04XX), financial (05XX), engineering (08XX), scientific (13XX), and mathematical (15XX) series should be excluded. This assumption was supported by the low numbers of positions in such series designated as acquisition positions by any component. We discuss the implications of these assumptions further in Chapters 4 and 5.

Navy and the Fourth Estate

As indicated above, Navy and Fourth Estate databases do not contain position function codes. As a result, the screening process for these components only contains a single step. If a position was coded as being in the 1102, 1105, or 1106 series, the algorithm automatically coded it as an acquisition position. If a position was not in the 1102, 1105, or 1106 series, but was coded in one of the other acquisition-eligible series listed in DoDI 5000.58 or DoD 5000.52-M, we coded it as uncertain and subjected it to further analysis. Otherwise, positions were coded as "nonacquisition." We summarize the screening process in Figure 3-3.

SCORING

In the scoring step of the algorithm, only positions that were categorized as "uncertain" in the screening step were processed. For the purpose of this study, scoring is the process of determining the likelihood that a position is an acquisition position on the basis of its association with acquisition positions at relevant organizational levels.

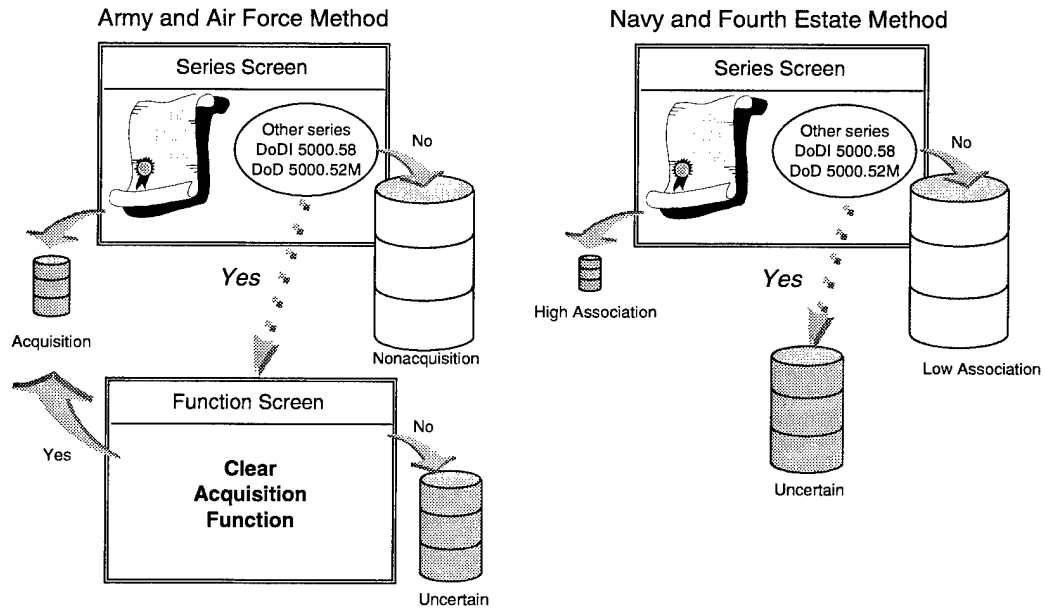


Figure 3-3. Screening

Each position categorized as “uncertain” in the screening process is scored using ratios of designated acquisition positions to eligible acquisition positions at selected organizational levels. Each of the ratios selected represents the probability that a given position is an acquisition position, based on its association with designated acquisition positions at the relevant organizational level.

Ratios are converted to raw scores by calculating a simple weighted average of the ratios for each position. Because the Navy and the Fourth Estate do not use function codes, the scoring for Army and Air Force positions is slightly different than the scoring used for Navy and Fourth Estate positions.

Army and Air Force

The ratios used for scoring Army and Air Force positions include

- ◆ series at the agency or major-command level,
- ◆ function at the unit¹ level, and
- ◆ all positions at the LROL.

¹ A “unit,” for the purposes of this study, is identified by a UIC or personnel accounting symbol (PAS).

The LROL for many positions is as low as branch or section. Ratios used in scoring Army and Air Force positions include the following:

$$Agency (Series) = \frac{\# \text{ Designated Acq Pos}_{Series}}{\text{Total} \# \text{ Pos}_{Series}}$$

$$Unit (Function) = \frac{\# \text{ Designated Acq Pos}_{Function}}{\text{Eligible} \# \text{ Acq Pos}_{Function}}$$

$$LROL (All Pos) = \frac{\# \text{ Designated Acq Pos}_{LROL}}{\text{Eligible} \# \text{ Acq Pos}_{LROL}}$$

The ratio at the agency level is the probability that any position in a particular occupational series is an acquisition position across the entire agency. At the unit level, the ratio represents the probability that an eligible position within a particular function, across the unit (independent of occupational series), is an acquisition position. Finally, at the LROL, the ratio represents the probability that an eligible position within the LROL (independent of occupational series) is an acquisition position.

After calculating each of the ratios, we calculated a score for each position using a simple weighted average. The weights, obtained by a trial-and-error process, used for scoring Army and Air Force positions include the following:

Agency (series):	0.50
Unit (function):	0.35
LROL (all positions):	0.15

Navy and Fourth Estate

The ratios we used for scoring Navy and Fourth Estate positions include

- ◆ all positions at the agency or major manpower claimant level,
- ◆ series at the unit level, and
- ◆ all positions at the LROL.

We found we needed to use a different set of ratios for scoring the Navy and Fourth Estate positions because no function codes were assigned to these positions. We found that, at the agency level, calculating the probability that any eligible position was an acquisition position made sense. At the unit level, we calculated the probability that a position in a given occupational series is an acquisition position across the unit. For the LROL, we used the same ratio as we did for the Army and Air Force.

The ratios used in scoring Navy and Fourth Estate positions are as follows:

$$Agency (All Pos) = \frac{\# Designated Acq Pos_{Agency}}{Eligible \# Acq Pos_{Agency}}$$

$$Unit (Series) = \frac{\# Designated Acq Pos_{Series}}{Total \# Pos_{Series}}$$

$$LROL (All Pos) = \frac{\# Designated Acq Pos_{LROL}}{Eligible \# Acq Pos_{LROL}}$$

As before, after calculating each of the ratios, we calculated a score for each position, using a simple weighted average. The weights used for scoring Navy and Fourth Estate positions, also obtained by trial and error, are as follows:

Agency (all positions):	0.50
Unit (series):	0.35
LROL (all positions):	0.15

RANKING AND CLUSTERING

Scores range between 0 and 1. After we scored the uncertain positions, we ranked them in descending order. Next, we applied a mathematical procedure known as “cluster analysis” to the ranked list of positions.

The object of cluster analysis is to organize data in such a way as to bring out the underlying structure. This uncovers inherent order, regularities, or similarities in the data. Cluster analysis enables observations from a data set to be grouped into clusters of “similar” points—observations that would be close to each other if plotted in a multidimensional space. Figure 3-4 graphically depicts cluster analysis.

Cluster analysis is not an exact science. To use it successfully, the analyst must have analytical skill and good judgment. As an example, a set of data points can be lumped into 1 through n clusters, where n is the total number of data points in the set. As a result, the analyst must develop a procedure to choose the number of clusters to use and to decide if subsets of the data set possess characteristics that clearly separate them from each other.

As shown in Figure 3-4, we used three clusters for this study—one for acquisition positions, one for uncertain positions, and one for nonacquisition positions. We validated this choice only after in-depth analysis.

The algorithm used to categorize Army and Air Force positions is summarized in Figure 3-5, and that used to categorize Navy and Fourth Estate positions is summarized in Figure 3-6. We discuss the results of using the algorithms in Chapter 4.

A statistical grouping of similar scores

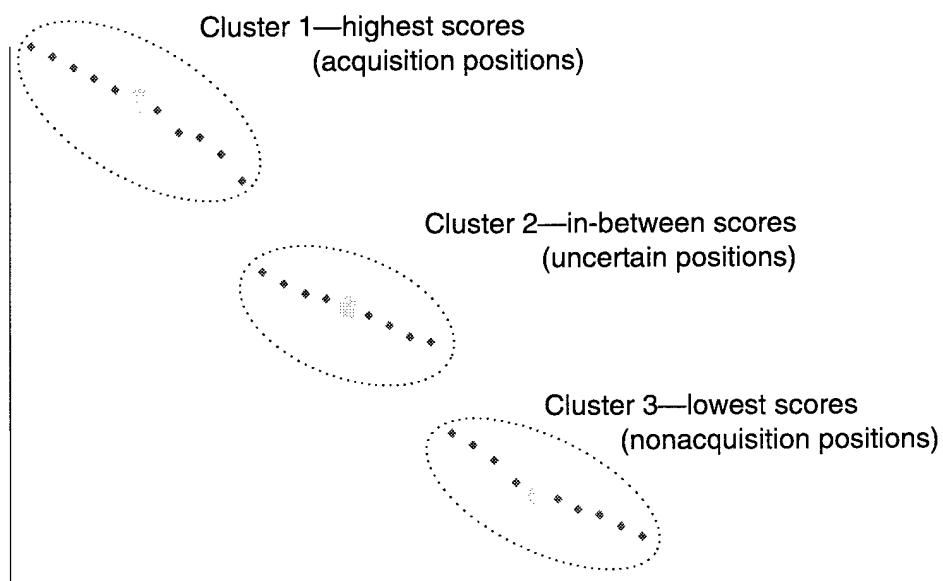


Figure 3-4. Cluster Analysis

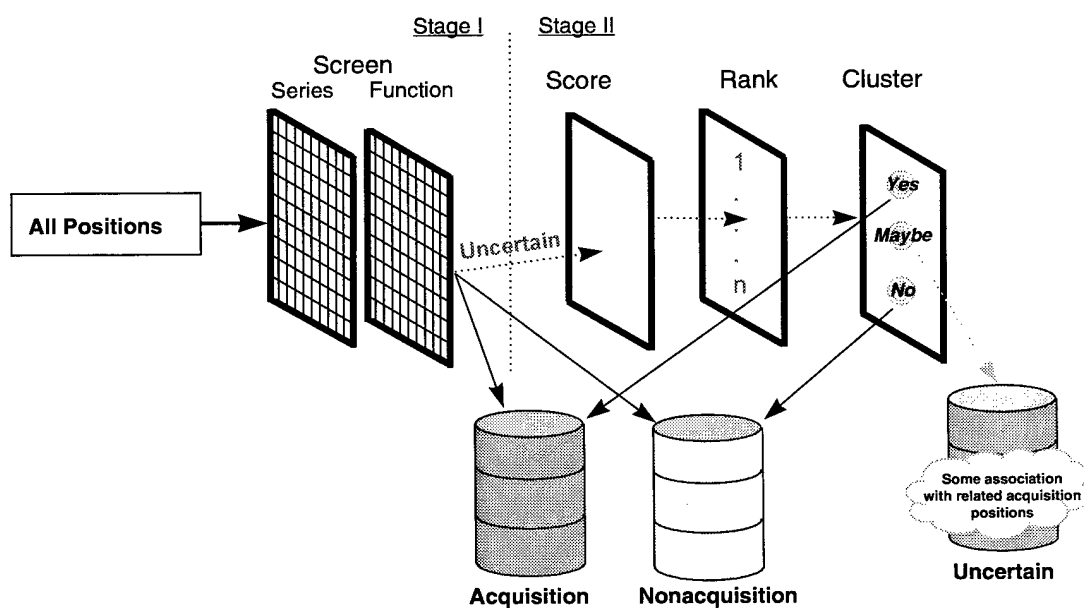


Figure 3-5. Army and Air Force Algorithm

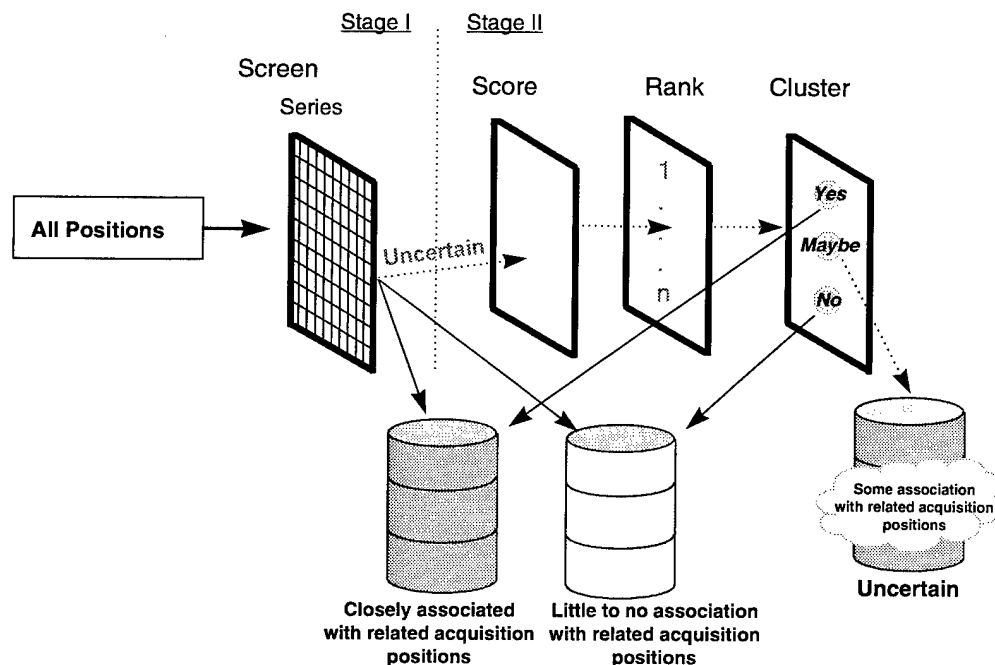


Figure 3-6. Navy and Fourth Estate Algorithm

LIMITATIONS OF THE ALGORITHMS

The algorithms discussed in this chapter are designed to determine if positions should be acquisition workforce positions on the basis of the actions taken or not taken by components to identify functions and their associations with other acquisition positions at various organizational levels. As we have already shown, positions are scored on the basis of the ratio of designated positions to the total number of positions at selected organizational levels. As a result, if the positions within a given organizational level were incorrectly coded, then the resulting ratios would yield misleading results and the corresponding scores would also be inaccurate.

Two types of errors can be accommodated by our algorithm—for the sake of simplicity, we will refer to them as type I and type II errors. A type I error occurs when a position is designated by the component as an acquisition position when it *is not* an acquisition position—an error of *commission*, as we described earlier in this chapter. A type II error occurs when a position is not designated by the component as an acquisition position when it *is* an acquisition position—an error of *omission*.

If a component inadvertently committed type I errors, the algorithms would categorize positions associated with the incorrectly coded positions as being acquisition positions. Likewise, if a component inadvertently committed type II errors, the algorithms would categorize positions associated with the incorrectly coded positions as not being acquisition positions. Finally, if the component made both

type I and type II errors, a hodgepodge of incorrectly categorized positions would result and our algorithms would be less effective. When we initially developed the algorithms, we hypothesized that we could minimize the impact of type I and type II errors if we calculated scores at different organizational levels. On the basis of our analysis of the algorithm results, further explained in Chapter 4, we believe that our hypothesis is correct.

Analysis

After we processed the data and applied the algorithms, we conducted an in-depth analysis. The analysis began by comparing the results of the algorithm with the position designations made by the components. We did this to identify possible errors of omission or commission, and to identify positions whose categorization was indeterminate. Figure 3-7 shows this process. As the figure indicates, positions that were consistent, and had a high degree of association, with designated acquisition positions, the algorithm categorized as acquisition positions. Those positions having a low or no association with designated acquisition positions, the algorithm categorized as nonacquisition positions. Positions for which the association falls in between the two other cases are categorized as uncertain (i.e., indeterminate). In each case, we compared the result of the algorithm to the existing position designation to determine the applicable type of inconsistency.

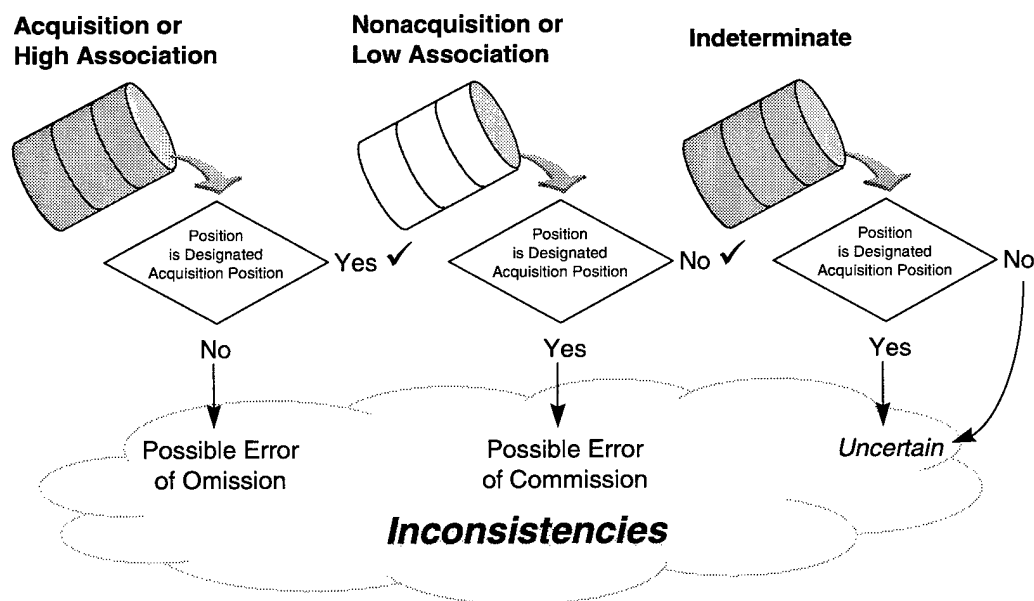


Figure 3-7. Comparison of Position Designation

Next we analyzed the designation practices of the components in greater detail. We did this by examining component results in the aggregate, by comparing designation practices within and across components at the occupational series level, and by comparing designation practices within and across components by similar organization types. We discuss the results in Chapter 6.

Issue Formulation

Analysis indicated that a high percentage of matches existed between component designation and algorithmic categorization; however, a number of issues surfaced that required further resolution. We discuss these issues in Chapter 5.

Solicitation of Feedback

After we identified the issues, we forwarded them to the components and the DoD acquisition functional boards, through the Acquisition Career Program Review Board Working Group (ACPRB-WG), for comment or corrective action, as appropriate. Depending on the feedback, we may need to adjust the algorithms and run them again with current data. The process can be replicated to reexamine position-designation consistency and to identify new or continuing issues.

We have already received some feedback on an informal level through ACPRB-WG. The feedback corroborates the results produced by the algorithm and is discussed further in Chapter 4.

Summary

In this chapter, we have discussed a methodology to examine a large number of civilian and military positions to determine if acquisition positions have been coded according to DoD policy and regulation. An important principle upon which our methodology is built is that the components have, for the most part, designated acquisition positions consistently according to DoD policy. Our analysis demonstrates that the components have indeed designated acquisition positions in a largely consistent manner. In cases where inconsistencies exist, the algorithm enables us to identify individual positions, and organizational elements, where possible errors in position designation have occurred. The methodology is robust and it gives DoD and its components the ability to examine a large number of data records in an efficient and cost-effective way.

Chapter 4

ALGORITHMIC RESULTS AND ANALYSIS

Introduction

The methodology we used in this study enabled us to identify areas where positions that should be designated and reported as acquisition positions were probably omitted, and areas where positions that have been designated as acquisition positions were designated so erroneously. In this chapter, we show the significant analytic results regarding civilian position designations within components as identified by our algorithms. In Chapter 5, we discuss military acquisition position designations.

Algorithmic Results

The algorithms used to process the civilian position data submitted by the components showed, by associating other acquisition positions at relevant organizational levels, which positions were most likely to be acquisition positions. The algorithm's effectiveness depends strongly on the assumption that all position designations are the result of consistent application of DoD and component guidance. In areas where that assumption may not be valid—i.e., where acquisition positions were significantly overdesignated or underdesignated—the algorithmic results may not provide a true picture. In such cases of significant overdesignation or underdesignation, supplemental analysis became necessary to provide insight on the efficacy of the designation practices.

DEFINITIONS OF ALGORITHM RESULTS TERMINOLOGY

We use the following terms in explaining the algorithm results:

- ◆ *Position*—a civilian billet encumbered by an employee who is a U.S. citizen.
- ◆ *Acquisition position*—a position that the component has designated as an acquisition position and for which the appropriate code was indicated in the civilian-personnel data system.
- ◆ *Confirmed acquisition position*—a component-designated acquisition position with which the algorithm result agrees.

- ◆ *Uncertain position*—a position that has the characteristics of an acquisition position, but the characteristics are not strong enough to definitively call it an acquisition position.
- ◆ *Possible error of commission*—a position that the algorithm did not identify as an acquisition position but was coded as an acquisition position by the component.

A possible error of commission can also be a position that has been designated as an acquisition position but is in an occupational series that is not normally associated with acquisition positions (occupational series not specified in DoDI 5000.58 or DoD 5000.52-M.), i.e., is “not eligible.”

- ◆ *Possible error of omission*—a position identified by the algorithm that has the characteristics of acquisition positions, but that the component did not designate as an acquisition position.

ARMY ALGORITHM RESULTS

Figure 4-1 summarizes the results of applying the algorithm to Army civilian positions. There were 245,815 encumbered civilian positions in the Army data. The screening stage of the algorithm identified 20,693 positions as acquisition positions because the positions had an acquisition series as well as an acquisition function. The screening identified 167,719 positions with occupations defined as “not eligible.” The first stage of the algorithm left 57,403 uncertain positions to be evaluated in the scoring, ranking, and clustering process of the second stage of the algorithm. The algorithm’s second stage identified 50,373 of the 57,403 uncertain positions processed as nonacquisition positions. Of the remaining positions, 4,295 were identified as acquisition positions and 2,735 remained in uncertain status.

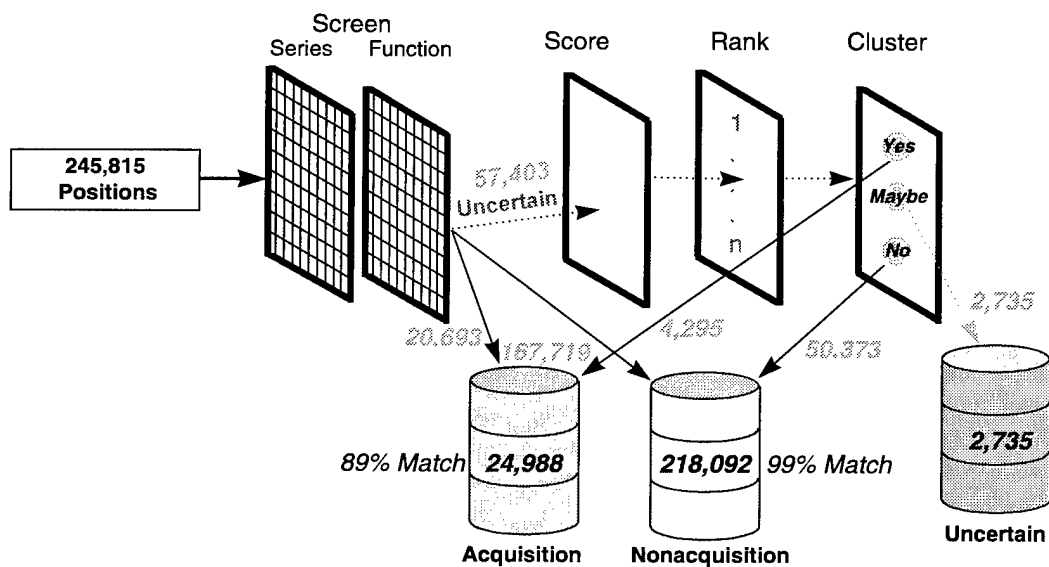


Figure 4-1. Algorithm Results for the Army

We compared the algorithm results to Army acquisition position designations and found a 99 percent match for “not acquisition” positions and an 89 percent match for designated acquisition positions. The 11 percent deviation on matches with designated acquisition positions is represented by the possible errors of omission or commission that the algorithm identified and the remaining number of uncertain positions.

Table 4-1 summarizes Army possible errors of omission or commission, and uncertain positions. The possible errors of omission (2,851) amount to only 3.7 percent of the total number of eligible positions (78,096). The number of possible errors of commission (1,513) was about 6 percent of the total number of positions designated as acquisition positions (25,056) by the Army. The number of uncertain positions (2,735) represent only 3.5 percent of the total number of eligible positions (78,096). We conclude that the Army designations were complete and the possible errors in designations are reasonable in such a large system. Appendix F has more detailed summaries of the data contained in Table 4-1, organized by major Army command and by occupational series. We provided detailed Army organizational and position data on each possible error of omission or commission and on all uncertain positions to the Office of the Army Director of Acquisition Career Management.

Table 4-1. Army Algorithm Results, Summarized by Possible Errors of Omission or Commission and by Uncertain Positions

Possible errors of omission	Possible errors of commission	Uncertain positions—designated as acquisition	Uncertain positions—not designated as acquisition
2,851	1,513	1,406	1,329

AIR FORCE ALGORITHM RESULTS

Results of the application of the algorithm to Air Force civilian positions is summarized in Figure 4-2. There were 158,937 encumbered civilian positions in the Air Force data. The screening stage of the algorithm identified 20,342 positions as acquisition positions because the position had an acquisition series as well as an acquisition function. The screening identified 111,974 positions with occupations defined as “not eligible.” The first stage of the algorithm left only 26,621 uncertain positions to be evaluated in the scoring, ranking, and clustering process of the second stage of the algorithm. The algorithm’s second stage identified 20,156 of the 26,621 uncertain positions processed as nonacquisition positions. Of the remaining positions, 2,610 were identified as acquisition positions and 3,855 remained in uncertain status.

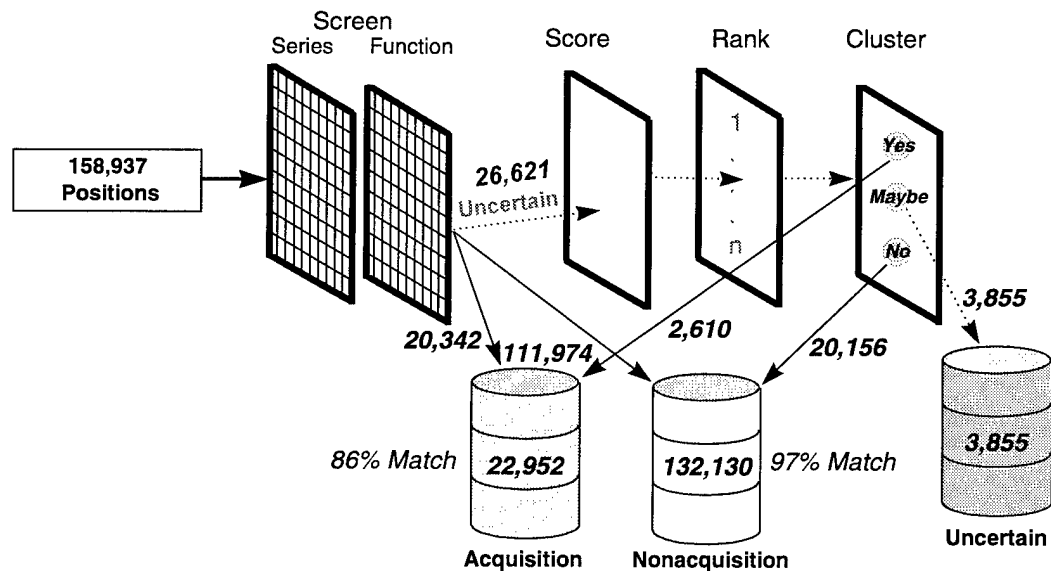


Figure 4-2. Algorithm Results for the Air Force

We compared the algorithm results to Air Force acquisition position designations and found a 97 percent match for nonacquisition positions and an 86 percent match for designated acquisition positions. The 14 percent deviation on matches with designated acquisition positions is represented by the possible errors of omission or commission that the algorithm identified and the remaining number of uncertain positions.

Table 4-2 summarizes Air Force possible errors of omission or commission, and uncertain positions. The possible errors of omission (3,127) amount to about 6.7 percent of the total number of eligible positions (46,963). The number of possible errors of commission (3,705) was about 14.8 percent of the total number of positions designated as acquisition positions (25,083) by the Air Force. Most of the positions that fell into this category (3,214) were in occupational series we assumed to be ineligible for acquisition designation. Of these assumed “ineligibles,” 1,285 were in occupational series 1670 (equipment specialist) and 1,142 were in occupational series 2010 (inventory management). The remaining 787 positions were primarily in other supply and transportation series or were engineering technician positions. The number of uncertain positions (3,855) represent 8.2 percent of the total number of eligible positions (46,963). We conclude that the Air Force has taken a more inclusive approach than the other components to designating acquisition positions. Appendix G summarizes the data contained in Table 4-2 in more detail, by Air Force major command and by occupational series.

Table 4-2. Air Force Algorithm Results, Summarized by Possible Errors of Omission or Commission and by Uncertain Positions

Possible errors of omission	Possible errors of commission	Uncertain positions—designated as acquisition	Uncertain positions—not designated as acquisition
3,127	3,705	1,553	2,302

NAVY ALGORITHM RESULTS

Algorithm results for Department of the Navy civilian positions are summarized in Figure 4-3. There were 247,059 encumbered civilian positions in the Navy data. The screening stage of the algorithm identified 7,658 positions as acquisition positions because the position had an acquisition series—1102 (contracting), 1105 (purchasing), or 1106 (procurement clerical and assistance). The screening identified 165,217 positions with occupations defined as “not eligible.” The first stage of the algorithm left 74,184 uncertain positions to be evaluated in the scoring, ranking, and clustering process of the second stage of the algorithm. The algorithm’s second stage identified 53,162 of the 74,184 uncertain positions processed as nonacquisition positions. Of the remaining positions, 16,487 were identified as acquisition positions and 4,535 remained in uncertain status.

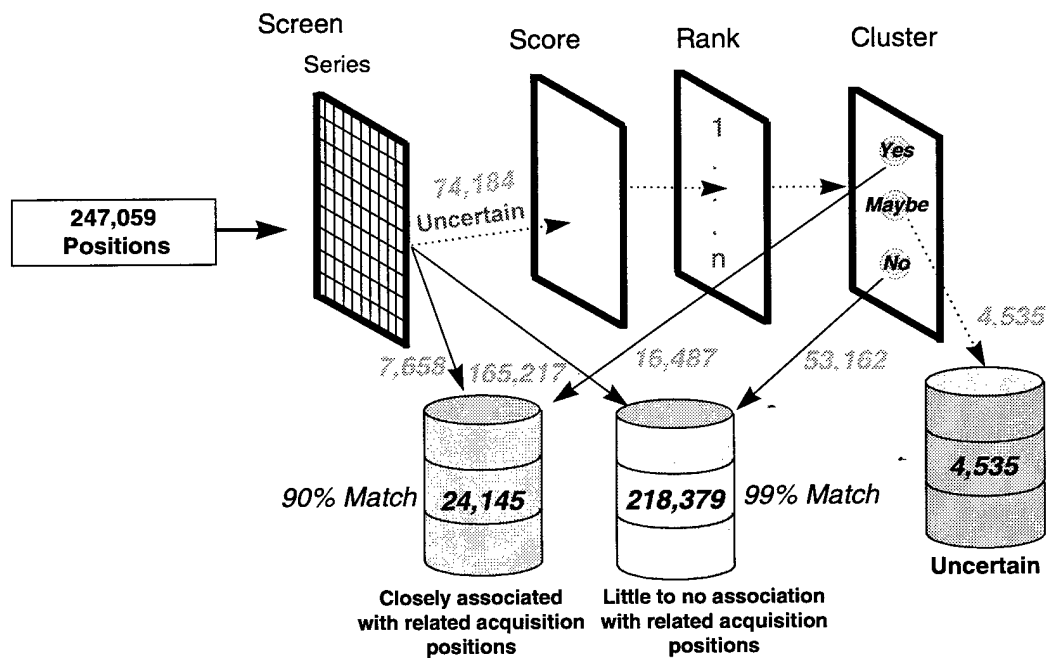


Figure 4-3. Algorithm Results for the Department of the Navy

Comparison of the algorithm results to actual Navy acquisition position designations resulted in a 99 percent match for nonacquisition positions and an 90 percent match for designated acquisition positions. The 10 percent deviation on matches with designated acquisition positions is represented by the possible errors of omission or commission that were identified and the remaining number of uncertain positions.

Table 4-3 summarizes the Department of the Navy possible errors of omission or commission, and uncertain positions. The possible errors of omission (2,365) amount to about 2.9 percent of the total number of eligible positions (81,842). The number of possible errors of commission (1,640) was about 6.5 percent of the total number of positions designated as acquisition positions (25,353) by the Navy. Uncertain positions (4,535) represent approximately 5.6 percent of the total number of eligible positions (81,842). Because the Navy had the lowest percentage of designated acquisition positions compared with the eligible population, has a larger eligible population than the other services, and has the second-highest funding level in the investment accounts (as seen in Chapter 2), we questioned the relatively low number of acquisition positions designated by the Navy. Our subsequent analysis of Navy civilian position data, the data in Table 4-3 in more detail, by Navy major manpower claimants and by occupational series.

Table 4-3. Department of the Navy Algorithm Results, Summarized by Possible Errors of Omission or Commission and by Uncertain Positions

Possible errors of omission	Possible errors of commission	Uncertain positions—designated as acquisition	Uncertain positions—not designated as acquisition
2,365	1,640	1,933	2,602

FOURTH ESTATE ALGORITHM RESULTS

Algorithm results for the Fourth Estate civilian positions are summarized in Figure 4-4. There were 120,177 encumbered civilian positions in the Fourth Estate data. The screening stage of the algorithm identified 7,385 positions as acquisition positions because the position had an acquisition series—1102 (contracting), 1105 (purchasing), or 1106 (procurement clerical and assistance). The screen identified 71,144 positions with occupations defined as “not eligible.” The first stage of the algorithm left 41,648 uncertain positions to be evaluated in the scoring, ranking, and clustering process of the second stage of the algorithm. The algorithm’s second stage identified 25,692 of the 41,648 uncertain positions processed as nonacquisition positions. Of the remaining positions, 13,685 were identified as acquisition positions and 2,271 remained in uncertain status.

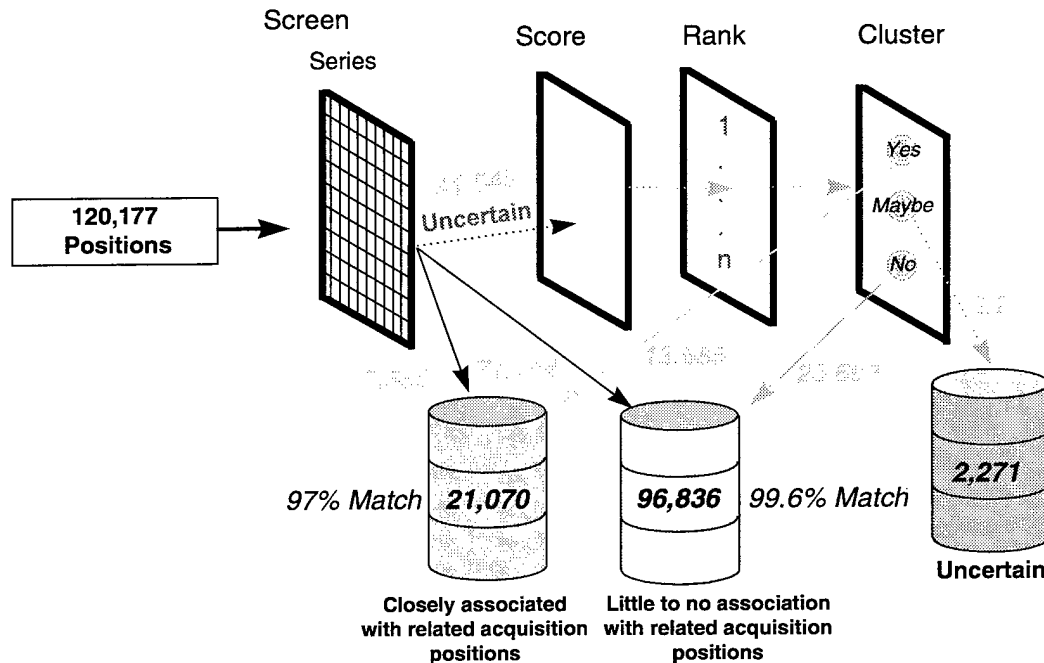


Figure 4-4. Algorithm Results for the Fourth Estate

The high match of algorithm results and component designations of acquisition positions in the Fourth Estate is largely due to the high proportion of the total number of acquisition position designations not subject to interpretation. More than 80 percent of all designated acquisition positions in the Fourth Estate are in contract auditing (0511), contracting (1102), industrial property management (1103), purchasing (1105), procurement clerical and assistance or contracts technician (1106), and quality assurance (1910). The auditors are all in the Defense Contract Audit Agency and are responsible for contract audit. No interpretation is necessary for positions in this series, regardless of their locations. All of the quality assurance specialists are in the Defense Logistics Agency and are responsible for contract or product quality acceptance. In essence, the Fourth Estate designation should be expected to be accurate and consistent because there is so little room for interpretation of guidance.

Comparison of the algorithm results to actual Fourth Estate acquisition position designations resulted in a 99.6 percent match for nonacquisition positions and a 97 percent match for designated acquisition positions. The 3 percent deviation on matches with designated acquisition positions is represented by the possible errors of omission or commission that were identified and the remaining number of uncertain positions.

Table 4-4 summarizes Fourth Estate possible errors of omission or commission, and uncertain positions. The possible errors of omission (760) amounted to about 1.5 percent of the total number of eligible positions (49,033). The number of pos-

sible errors of commission (393) was only about 1.8 percent of the total number of positions designated as acquisition positions (21,854) by the components of the Fourth Estate. Uncertain positions (1,619) represent approximately 3.3 percent of the total number of eligible positions (49,033). We conclude that the Fourth Estate acquisition position designations were accurate and in close conformance to DoD policy. Appendix I summarizes the data contained in Table 4-4 in more detail. We provided detailed Fourth Estate organizational and position data on each possible error of omission or commission, and on all uncertain positions, to the Office of the Fourth Estate Director of Acquisition Career Management.

Table 4-4. Fourth Estate Algorithm Results, Summarized by Possible Errors of Omission or Commission and by Uncertain Positions

Possible errors of omission	Possible errors of commission	Uncertain positions—designated as acquisition	Uncertain positions—not designated as acquisition
760	393	638	981

Other Interpretations of Algorithm Results

Figure 4-5 summarizes the possible errors of commission identified by the algorithms. By looking at these possible errors in greater detail, we gain insight into potential issues that arise from applying existing DoD guidance on acquisition position designation. As Table 4-5 shows, a majority of the possible errors of commission are positions in the engineering-technician, the equipment-specialist, and various supply and transportation series that are ineligible occupational series.

These results suggest that DoD guidance on what types of jobs and functions should properly be included in the acquisition logistics career field needs clarification. The large number of engineering technician positions incorrectly coded as acquisition positions suggests that clearer position designation guidance may be appropriate for the nonprofessional occupational series.

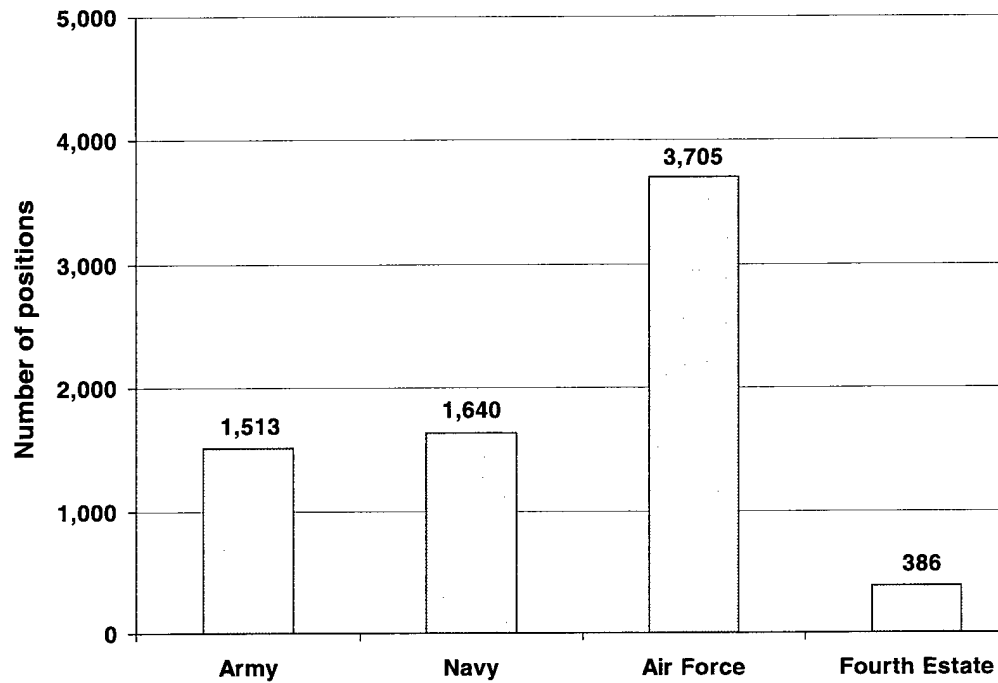


Figure 4-5. Summary of Total Number of Possible Errors of Commission

Table 4-6 summarizes the possible errors of commission in acquisition-eligible series. These positions were singled out by the algorithm because they were not closely associated with other acquisition positions in their respective organizational settings. The relatively large number of civil engineers, (series 0810), identified in the Army column points out an interesting twist on acquisition workforce composition. If some or all of these positions are encumbered by warranted contracting officers engaged in contract construction management, they may not be errors of commission but valid acquisition positions, as we discuss later in this chapter.

Table 4-5. Possible Errors of Commission Identified by Algorithms in Series That Are Not Acquisition-Eligible

Series	Title	Possible errors of commission			
		Army	Navy	Air Force	Fourth Estate
0080	Security administration	1	5	115	2
0201	Personnel management	1	4	3	0
0303	Miscellaneous clerk and assistant	10	50	11	29
0318	Secretary	5	18	10	33
0335	Computer clerk and assistant	0	8	3	8
0341	Administrative officer	3	79	7	6
0344	Management clerical and assistance	21	26	5	16
0399	Administrative/office support student	0	3	0	0
0561	Budget clerical and assistance	5	12	57	1
0802	Engineering technician	34	256	75	18
0856	Electronics technician	16	285	24	14
0859	Industrial engineering technician	0	29	0	0
1083	Technical writing and editing	0	20	34	1
1670	Equipment specialist	97	100	1,285	6
1710	Educational and vocational training	0	1	2	0
1750	Instructional systems	0	42	2	1
2001	General supply	3	8	77	10
2003	Supply program management	4	60	66	15
2005	Supply clerical and technician	2	4	8	5
2010	Inventory management	3	45	1,142	3
2030	Distribution facilities and storage management	5	0	1	11
2032	Packaging	4	1	29	3
2050	Support cataloguing	0	0	2	0
2101	Transport specialist	1	1	3	0
2130	Traffic management	1	2	34	4
2150	Transportation operations	0	2	8	0
Other	—	81	76	211	74
Total		297	1,137	3,214	260

Table 4-6. Possible Errors of Commission Identified by Algorithms in Series That Are Acquisition-Eligible

Series	Title	Possible errors of commission			
		Army	Navy	Air Force	Fourth Estate
0301	Miscellaneous administration	80	14	94	13
0334	Computer specialist	77	83	87	35
0343	Management and program analysis	29	32	85	23
0346	Logistics management	62	13	8	2
0391	Telecommunications	13	1	41	6
0560	Budget analysis	33	9	8	1
0810	Civil engineering	721	3	9	0
0830	Mechanical engineering	41	43	3	1
0850	Electrical engineering	29	2	2	0
0855	Electronics engineering	11	160	36	5
1150	Industrial specialist	13	9	0	0
1152	Production control	0	0	54	0
1310	Physics	1	26	1	0
1515	Operations research	19	0	0	11
1550	Computer science	3	33	4	6
1910	Quality assurance	15	14	7	0
Other	—	69	61	52	23
Total		1,216	503	491	126

Overall Accuracy of Acquisition Position Designations

We found that the overall designation of acquisition positions in DoD was appropriate and accurate. We observed that 90.3 percent of the acquisition positions identified by the algorithm were also identified by the cognizant components. Figure 4-6 summarizes the matches of position designations.

Figure 4-7 summarizes possible errors of omission identified by the algorithm. These represent a significant number of possible omissions that should be reviewed by the cognizant components. However, we also looked at the possibility of type II (omission) errors (see Chapter 3, page 3-14), particularly in acquisition organizations where few acquisition positions were designated. As we explained in Chapter 3, in such cases the algorithm is not capable of properly identifying

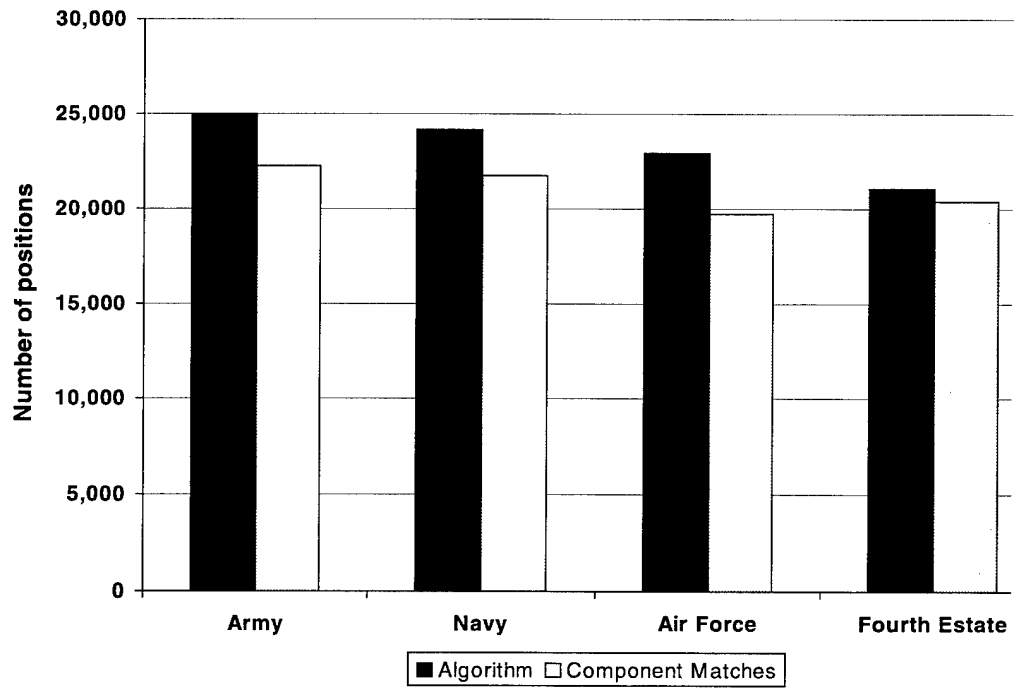


Figure 4-6. Summary of Acquisition-Status Matches

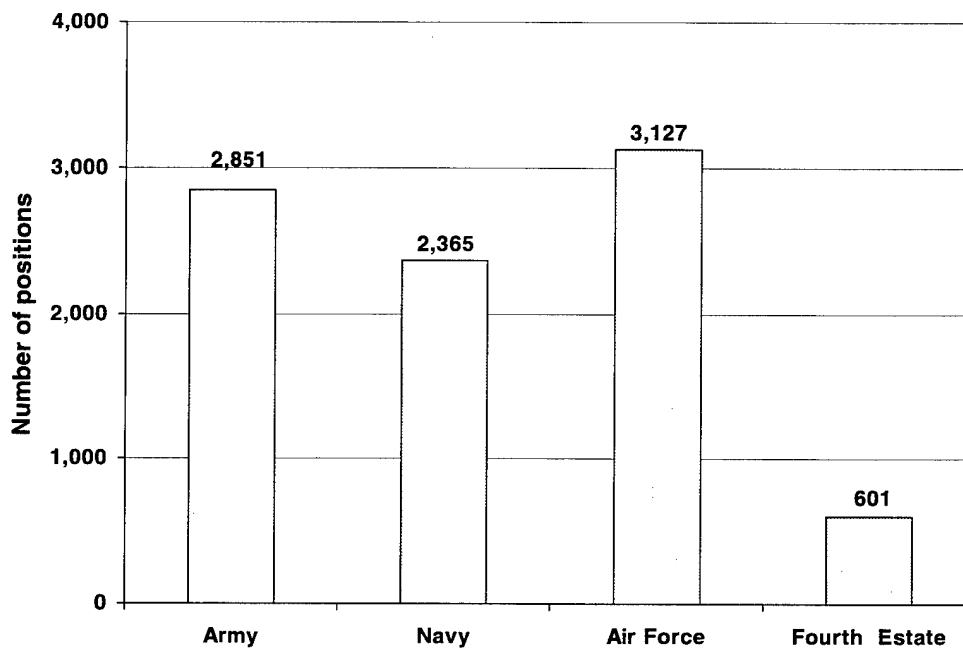


Figure 4-7. Summary of Possible Errors of Omission Identified by the Algorithm

possible errors of omission (and may erroneously identify valid acquisition positions as possible errors of commission). We believe significant instances of type II errors occurred and discuss those situations later in this chapter.

Table 4-7 summarizes, by occupational series, the possible errors of omission identified by the algorithm. Review of the data in Table 4-7 raises at least one potential policy issue. The large number of possible errors of omission for series 1106 positions in the Navy was caused by the Department of the Navy's supplemental position designation guidance in SECNAVINST 5300, which directed that series 1106 positions not be designated. Navy activities designated 116 positions in series 1106 as acquisition positions (contrary to departmental guidance). Designations by the other components in occupational series 1106 (Army, 979; Air Force, 1,076; and the Fourth Estate, 1,807) indicate a strong inclination toward including these supporting members of the contracting family in the acquisition workforce. The remaining possible errors of omissions in the other occupational series were identified by the algorithm because of their close association with similar positions in their respective organizations, which were designated as acquisition positions.

Table 4-7. Summary of the Possible Errors of Omission, by Occupational Series

Series	Title	Possible errors of omission			
		Army	Navy	Air Force	Fourth Estate
0301	Miscellaneous administration	382	24	417	0
0334	Computer specialist	243	34	175	4
0343	Management and program analysis	287	134	311	6
0346	Logistics management	165	122	289	3
0501	Financial administration	4	2	123	0
0560	Budget analysis	106	14	191	0
0801	General engineering	100	88	83	33
0830	Mechanical engineering	116	57	48	11
0855	Electronics engineering	158	241	403	55
0861	Aerospace engineering	65	33	129	18
1101	General business and industry	75	6	208	79
1102	Contracting	26	0	58	145
1105	Purchasing	70	116	0	31
1106	Procurement clerical and assistance	209	1,316	0	71
1310	Physics	24	12	107	0
1515	Operations research	188	15	14	0
1910	Quality assurance	34	24	70	8
Other	—	599	127	501	137
	Total	2,851	2,365	3,127	601

A substantial number of positions were classified as uncertain by the algorithm, as summarized in Figure 4-8. On average, 56 percent of the uncertain positions were coded as acquisition positions by the components and 44 percent were not. The Army uncertain positions are evenly divided, while the other components designated slightly less than half of the uncertain positions as acquisition positions.

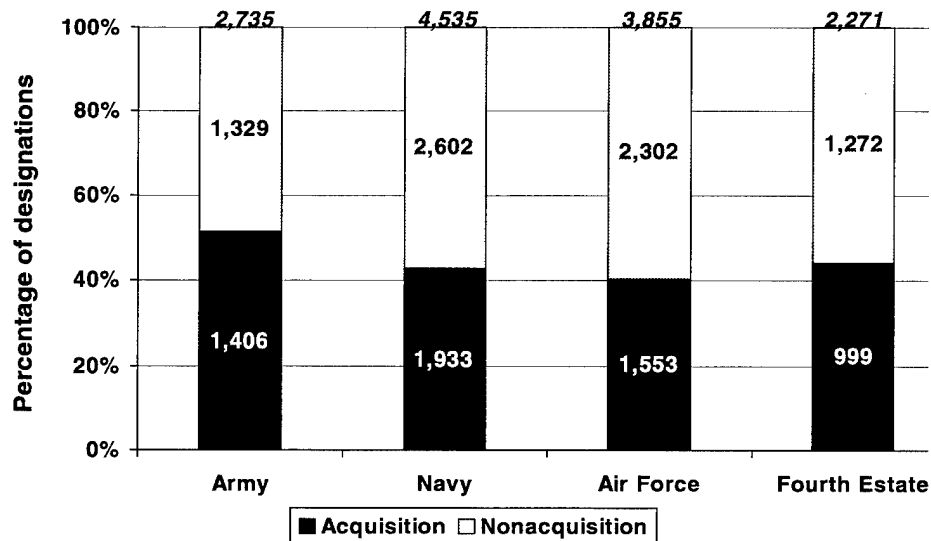


Figure 4-8. Summary of Uncertain Positions

The summary of uncertain positions by occupational series in Table 4-8 shows that the majority of the uncertain positions are engineers, computer specialists, miscellaneous administration positions, and management and program analysis positions. These positions warrant further review by the components. We provided the data to the Directors of Acquisition Career Management.

Component Feedback on the Algorithm

The Army gave us detailed feedback on the results produced by our algorithm as this report was being written. The Army took the detailed data we provided to them on position designations that appeared to be possible errors of omission or commission and “scrubbed” the results with the assistance of field activities. Additional details provided by the Army are in Appendix J. The results of the Army validation effort were valuable and showed that

- ◆ the algorithm was highly effective in identifying inconsistencies in acquisition designations that merited more detailed review;
- ◆ using the algorithm to highlight areas that required detailed review yielded a high payoff;

- ♦ a significant number of the possible errors of omission or commission in the designation of acquisition positions were validated; and
- ♦ policy review of position designation policy in acquisition logistics, maintenance (equipment specialists), and engineering technician positions in the technical acquisition position categories is needed.

Table 4-8. Summary of Uncertain Positions, by Occupational Series

Series	Title	Uncertain positions			
		Army	Navy	Air Force	Fourth Estate
0301	Miscellaneous administration	207	184	246	286
0334	Computer specialist	117	475	653	451
0343	Management and program analysis	353	491	318	450
0346	Logistics management	285	326	91	42
0501	Financial administration	2	4	79	21
0560	Budget analysis	155	83	176	20
0801	General engineering	322	126	184	169
0830	Mechanical engineering	138	275	186	18
0855	Electronics engineering	67	1,586	724	185
0861	Aerospace engineering	47	155	12	1
1101	General business and industry	30	98	437	124
1310	Physics	28	40	11	0
1515	Operations research	25	55	19	35
1910	Quality assurance	299	89	78	19
Other	—	660	548	641	450
Total		2,735	4,535	3,855	2,271

Summary

In this chapter, we have discussed the principal results of our analyzing acquisition position designations in DoD by applying our algorithms. The components have done an excellent job in implementing DAWIA. The overall accuracy and appropriateness of position designations exceeds 90 percent across DoD. A number of issues arose on the basis of our analysis. We discuss these issues in Chapters 5 and 6. In the next chapter, we discuss the results of our other analyses that were independent of the algorithm.

Chapter 5

OTHER ANALYTIC RESULTS

Introduction

In the previous chapter, we discussed our analysis of the algorithmic results. In this chapter, we discuss other analytic results that are independent of the algorithms. These other results are important because they provide additional means of gaining insight into the designation of acquisition positions and because of the limitations of the algorithms. The analysis suggests broad areas of inconsistency in designating acquisition positions:

- ◆ Positions that should be designated and reported as acquisition positions may have been omitted.
- ◆ Positions that have been designated as acquisition positions may have been designated erroneously.
- ◆ Position designation guidance or other policies may be unclear or require revision.

The methodology also shows where position-designation patterns suggest organizationwide or componentwide designation practices needing review by the responsible component.

Consistency of Acquisition Position Designation, by Occupational Series and Component

The military departments' consistency in designating acquisition positions by occupational series is revealing because it suggests areas that may have been designated either in excess (possible errors of commission—type I errors) or too sparsely (possible errors of omission—type II errors). This analysis relies on two assumptions:

- ◆ The components designated positions consistently according DoDI 5000.58 and DoD 5000.52-M.
- ◆ Personnel in the same occupational series in similar organizational settings in different components perform similar duties.

The second of the two assumptions is weak because civilian employees performing duties consistent with the mission of their organization may not be evenly distributed. Nonetheless, the insights generated are interesting and are consistent with other analytic insights, as we show later. We also found comparing the overall percentage of designation of acquisition positions in a particular occupational series by component to be useful. Figure 5-1 shows a series in which there was consistency across all components. Aerospace engineer positions are designated as acquisition positions in more than three fourths of all cases, including the Fourth Estate.

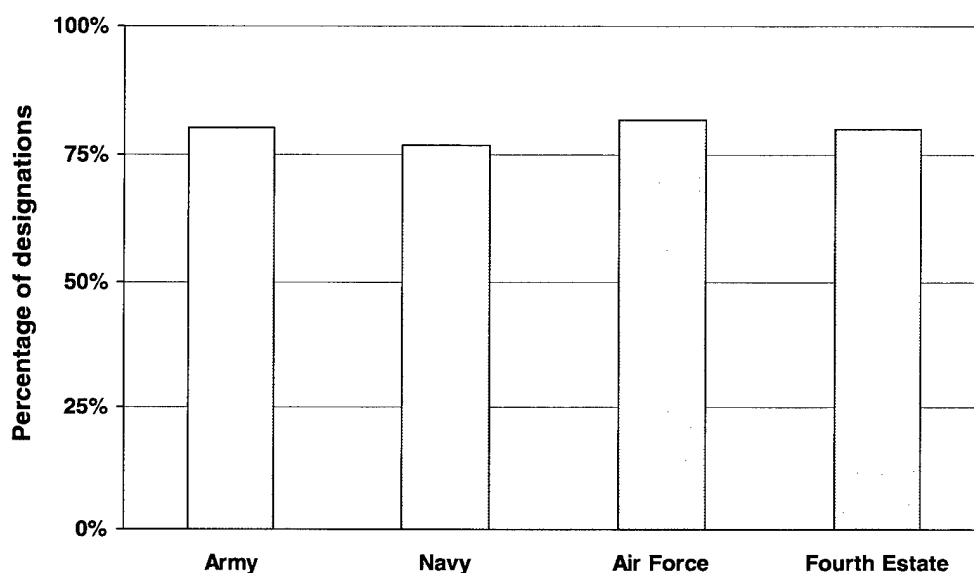


Figure 5-1. Acquisition Designation of Aerospace Engineering Positions, Series 0861

Figure 5-2 shows a situation in which the designations in a single military department are significantly less than similar designations in the other two military departments.¹ Again, the mission of Fourth Estate components is highly focused on specific functions, thus making comparisons of designations to those in the military departments inappropriate. The designations in the Fourth Estate in this and subsequent examples are shown for information purposes only.

As shown in Figure 5-2, the designations in the electronics engineering (0855) series in the Navy are significantly below that in the Army and Air Force. Navy designations were at nearly 43 percent, while Air Force and Army designations were more than 71 and 81 percent, respectively. The algorithm identified 241 pos-

¹ Civilian employees of the Marine Corps are Department of the Navy civilian employees; hence, Department of the Navy data include the civil servants who are employees of the Marine Corps.

sible errors of omission of Navy electronics engineering positions. The data showed that the Navy had 12,436 encumbered electronics engineering positions, with 5,314 designated by the Navy as acquisition positions. If all of the possible errors of omission were validated as acquisition positions, the difference would be less than 2 percent, changing the total designations to 44.7 percent. The observation that relatively few electronics engineering positions were designated as acquisition positions indicates that there may be a large number of type II errors because of minimal acquisition position designations in certain acquisition organizations.

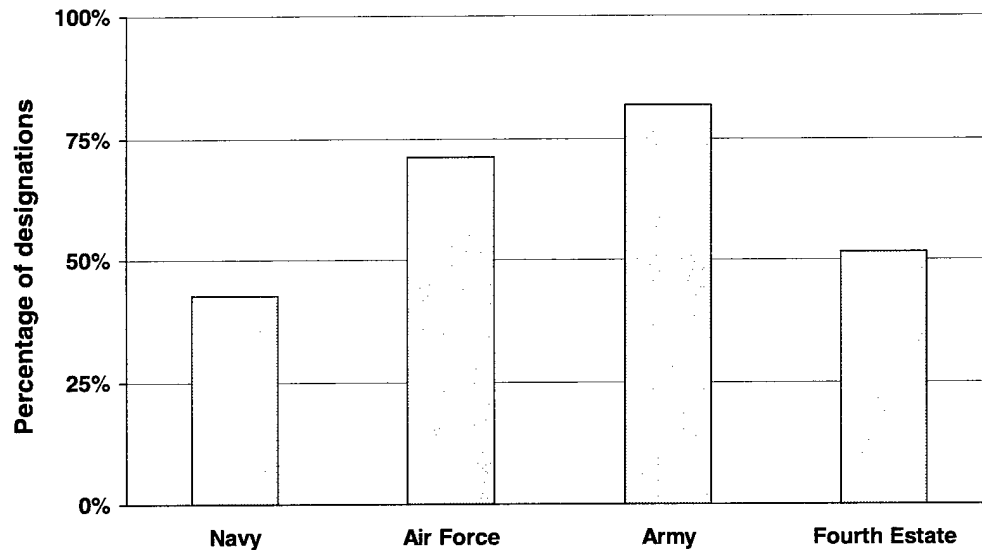


Figure 5-2. Acquisition Designation of Electronics Engineering Positions, Series 0855

In Figure 5-3, the opposite case is shown. For occupational series 0334 (computer specialist), the Air Force designated more than 18 percent of its positions as acquisition positions. This percentage is significantly higher than the 5.8 percent designated by the Navy and the 3 percent designated by the Army. Like the 0855 series, the 0334 series is a high-density occupational series. The Air Force designated 667 out of 3,663 computer specialist positions, the Navy designated 481 out of 8,277 positions, and the Army designated 203 out of 6,773 positions. If possible errors of omission of computer specialists in the Navy and Army (34 and 243, respectively) were included, the total designations would rise to 6.2 and 6.6 percent, respectively. If the Air Force possible errors of omission (175) were added, their percentage designated would rise to 23. Our review of computer specialist positions across the components revealed that the majority of these positions were engaged in providing automation support to their organizations. Hence, it is not surprising that relatively few computer specialist positions are involved directly in the acquisition process.

We showed earlier, in Figure 2-1, that the Air Force has, proportionally, the largest acquisition workforce of the military departments by a wide margin. The apparently liberal designation of positions in the Air Force increase the likelihood of type I errors generated by the algorithm. The designation of occupational series 0334 positions as acquisition positions by the Air Force may be high.

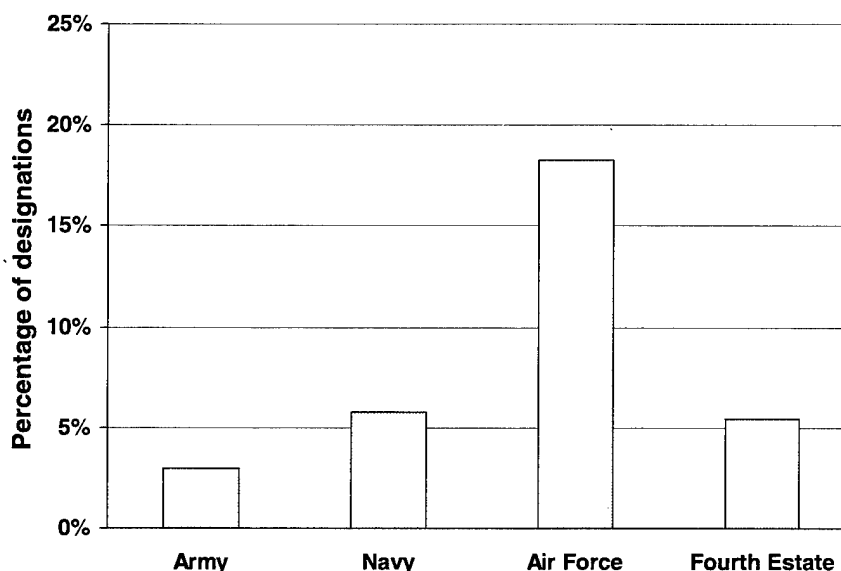


Figure 5-3. Acquisition Designation of Computer Specialists Positions, Series 0334

The final analytical example in this line of analysis is the case where acquisition positions were inconsistent across all three military departments, i.e., designations differ significantly between the Army, Navy, and Air Force. Figure 5-4 shows designations in the computer engineering (0854) series. Relative designations in the Navy are the fewest, at nearly 31 percent, while designations in the Air Force and Army are about 62 percent and a little more than 80 percent, respectively. The 0854 series is not found in the same densities as the series in the previous examples. The Navy designated 143 of 464 positions as acquisition positions; the Army, 410 of 510 positions; and the Air Force, 114 of 184 positions. The only inference we drew from these inconsistent results was that the Navy was again the lowest, which is consistent with our hypothesis—that there are a large number of type II errors in the Navy. The Navy had the lowest relative number of designations in the 0854 and 0855 series; in these series, most of positions are in the Naval Sea Systems Command.

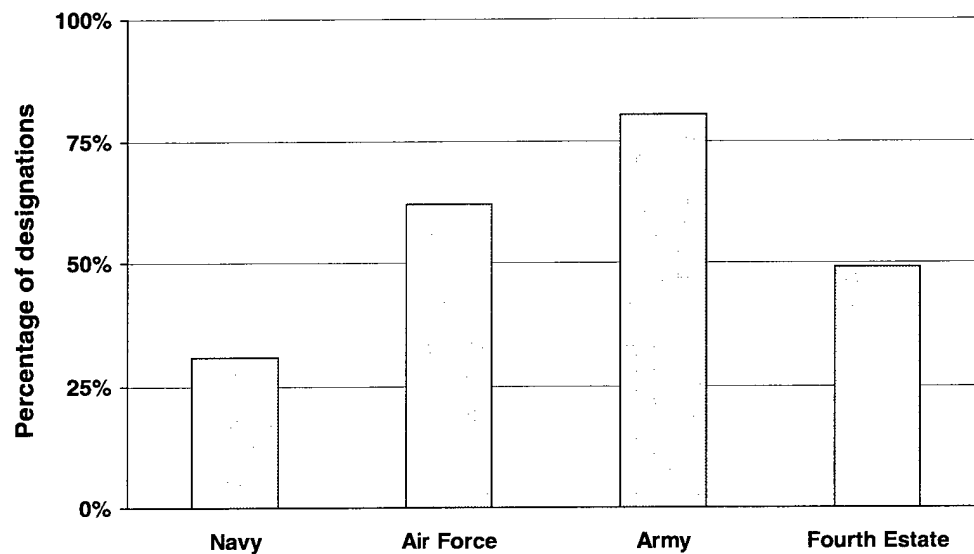


Figure 5-4. Acquisition Designation of Computer Engineering Positions, Series 0854

Table 5-1 shows the cases in which the acquisition position designation by series was inconsistent across the three military departments. Table 5-2 shows the cases in which one military department had significantly more or fewer proportional designations than the other two. The cases in which the acquisition positions were consistent across the three military departments is shown in Table 5-3. Appendices F through I give details of designations, by occupational series, for each component. Appendix K graphically depicts each of the acquisition series listed in Tables 5-1 through 5-3 and not displayed previously in this chapter.

Table 5-1. Series Designated Inconsistently Across the Military Departments

Series	Title	Characterization		
		Army	Navy	Air Force
0510	Accounting	Low	Medium	High
0810	Civil engineering	High	Low	Medium
0854	Computer engineering	High	Low	Medium
0896	Industrial engineering	Medium	Low	High
1150	Industrial specialist	Medium	Low	High
1520	Mathematics	High	Low	Medium
1550	Computer science	Medium	Low	High

Table 5-2. Series Where One Military Department's Acquisition Position Designations Were Inconsistent with the Other Two

Series	Title	Characterization		
		Army	Navy	Air Force
0180	Psychology	—	—	High
0301	Miscellaneous administration and program	—	—	High
0334	Computer specialist	—	—	High
0346	Logistics management	Low	—	—
0501	Financial administration and program	—	—	High
0560	Budget analysis	—	—	High
0801	General engineering	High	—	—
0806	Materials engineering	—	Low	—
0830	Mechanical engineering	—	Low	—
0855	Electronics engineering	—	Low	—
1101	General business and industry	—	—	High
1106	Procurement clerical and assistance	—	Low	—
1152	Production control	Low	—	—
1301	General physical science	—	Low	—
1310	Physics	—	Low	—
1320	Chemistry	—	Low	—
1910	Quality assurance	High	—	—

Table 5-3. Series with Consistent Acquisition Position Designations

Series	Title
0343	Management and program analysis
0819	Environmental engineering
0850	Electrical engineering
1102	Contracting
1105	Purchasing
1515	Operations research

Acquisition Position Designation Comparisons Among Similar Organization Types

Comparing the designation of acquisition positions by similar organization types is useful because such analysis

- ◆ is independent of the results of the algorithms,
- ◆ compensates for type I and type II errors generated by the algorithm, and
- ◆ identifies where type I and type II errors had the greatest likelihood of occurrence.

In some cases, we used both within-component and across-component analysis. We also show comparisons of acquisition position designations by occupational series or functional groupings of series when necessary to add insight.

DEPOTS AND MAINTENANCE ACTIVITIES

We show this comparison because of the large amount of manpower resources invested in depots in DoD and because we observed a level of inconsistency of acquisition position designations in depots across the military departments. The Air Force organizations in this analysis are the five air logistics centers (ALCs) of the Air Force Materiel Command (AFMC). For the Army, the organizations are the Depot Systems Command and its subcommands of the Army Materiel Command (AMC). Navy activities included are the naval aviation depots of the Naval Air Systems Command; the shipyards; weapon stations and ordnance centers of the Naval Sea Systems Command; and the Marine Corps Logistics Bases, at Albany, Georgia, and Barstow, California.

The relative designations of acquisition positions as a percentage of eligible positions is shown in Figure 5-5. The Air Force designated 82 percent of these eligible positions as acquisition positions, while the Navy and the Army each designated about 26 percent. The Air Force designations include 2,305 positions that the algorithm screened out as possible errors of commission. If we omit the 2,305 positions from our calculations, the revised result for the Air Force is 69 percent. The Air Force position designations in the ALCs are still greater than twice the corresponding ratios for the Army and Navy.

The Air Force ALCs had a large number of possible errors of commission attributed to incorrectly designating positions in ineligible series as acquisition positions. In contrast, the number of positions similarly identified in Army and Navy depot activities was negligible (only 150 total). The total number of civilian positions involved in depots activities is large. The ALCs had a total of 38,951 positions, of which 11,712 were counted as eligible. The ALCs had a total of 9,659

designated acquisition positions out of 11,712 eligible positions, which included the 2,305 mentioned above in series assumed to be ineligible. For the Navy, the total number of positions in depots and maintenance activities was 54,936, of which 7,376 were eligible and 1,885 were designated. For the Army, the total number of positions was 17,270, of which 2,681 were eligible and 708 were designated.

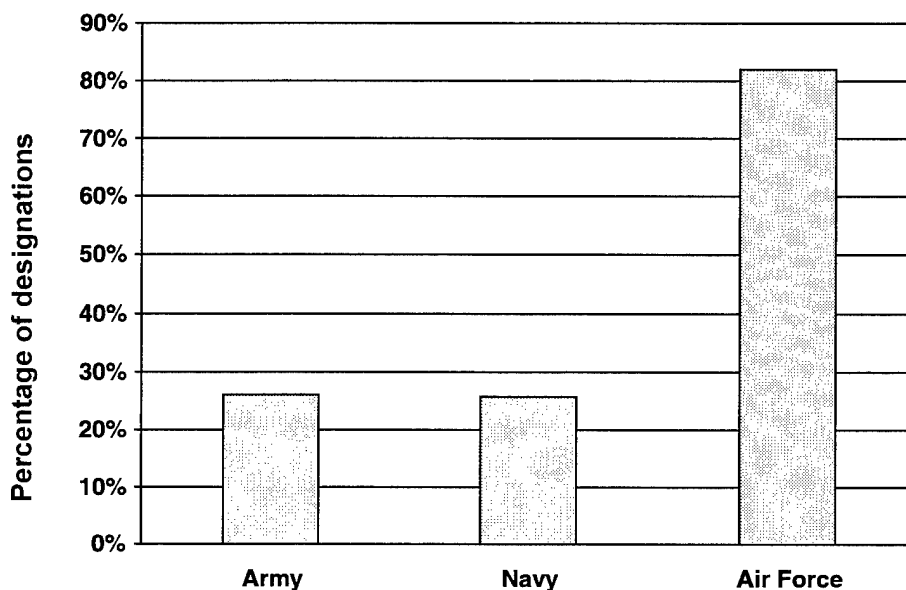


Figure 5-5. Designation of Acquisition Positions in Depots and Maintenance Activities

Because of the extreme difference in designations between the Air Force ALCs and depots in the other military departments, we decided to expand the analysis by comparing the ALCs in detail to gain further insight. Figure 5-6 compares the ALCs of Ogden (OALC), Oklahoma City (OKCALC), Sacramento (SACALC), San Antonio (SATALC), and Warner-Robins (WRALC). Figure 5-6 compares the ALCs by showing the designated acquisition positions versus the eligible positions versus total positions.

The Sacramento's ALC's designations appear to be inconsistent with those in the other ALCs, i.e., it has significantly fewer designations. The other ALCs appear to be consistent with one another in acquisition position designations, i.e., they have a proportionately high number of designations.

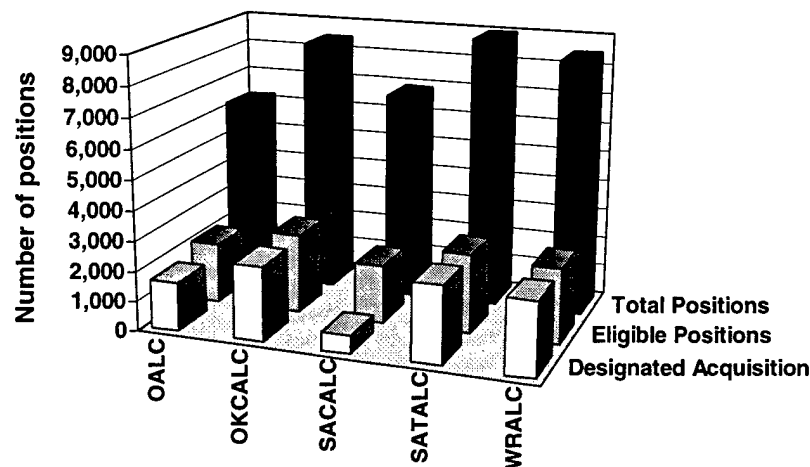


Figure 5-6. Designation of Acquisition Positions in the Air Force ALCs

Figure 5-7 shows the composition of the overall civilian workforce in the ALCs. The various occupational series are grouped into 10 functional categories to simplify the comparison and to permit a visual sense of the degree of consistency of ALC workforce composition. The 10 groupings are

- ◆ *contracting (Contr.)*—occupational series 1102, 1105, and 1106;
- ◆ *business and finance (Bus. & Fin.)*—occupational series 05XX and 1101;
- ◆ *engineering and science (Engr. & Science)*—occupational series 08XX, 13XX, and 15XX;
- ◆ *logistics management (Log. Mgmt.)*—occupational series 0346;
- ◆ *administration and management (Admin. & Mgmt.)*—occupational series 02XX and 03XX (less 346);
- ◆ *maintenance (Maint.)*—occupational series 1670;
- ◆ *quality*—occupational series 1910;
- ◆ *supply and transportation (Sup. & Trans.)*—occupational series 2XXX;
- ◆ *other*—all other white-collar occupational series; and
- ◆ *blue collar*—all wage-grade occupational series.

A close inspection of the data in Figure 5-7 reveals that the relative workforce composition in each ALC is similar. The similarity is more apparent if the data is normalized. Results are shown in Figure 5-8.

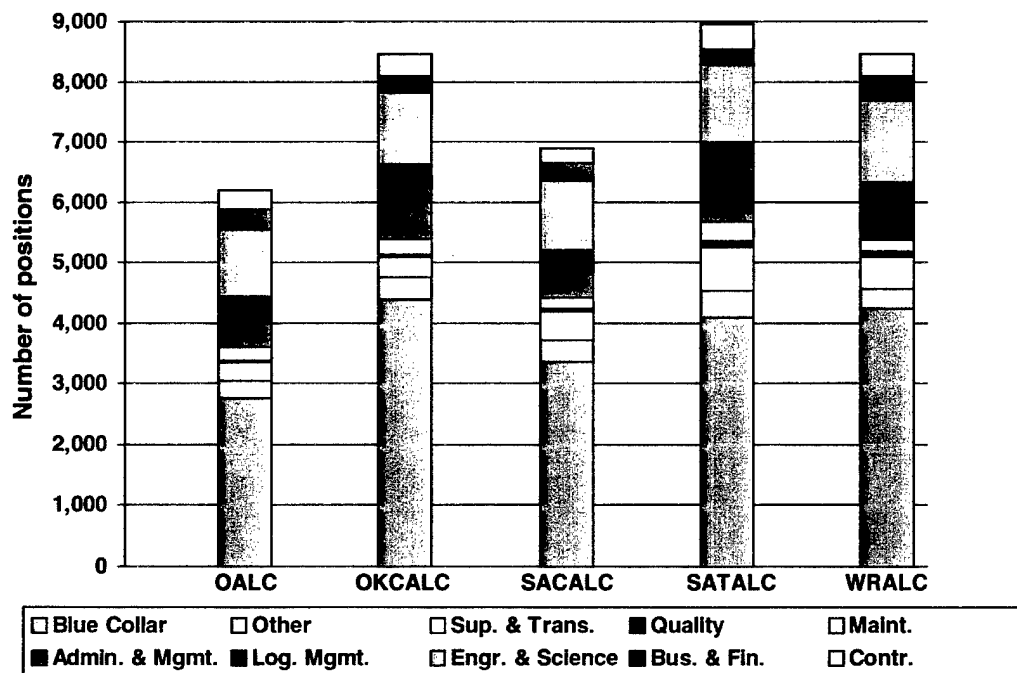


Figure 5-7. Air Logistics Centers Workforce Mix by Functional Groupings of Occupational Series

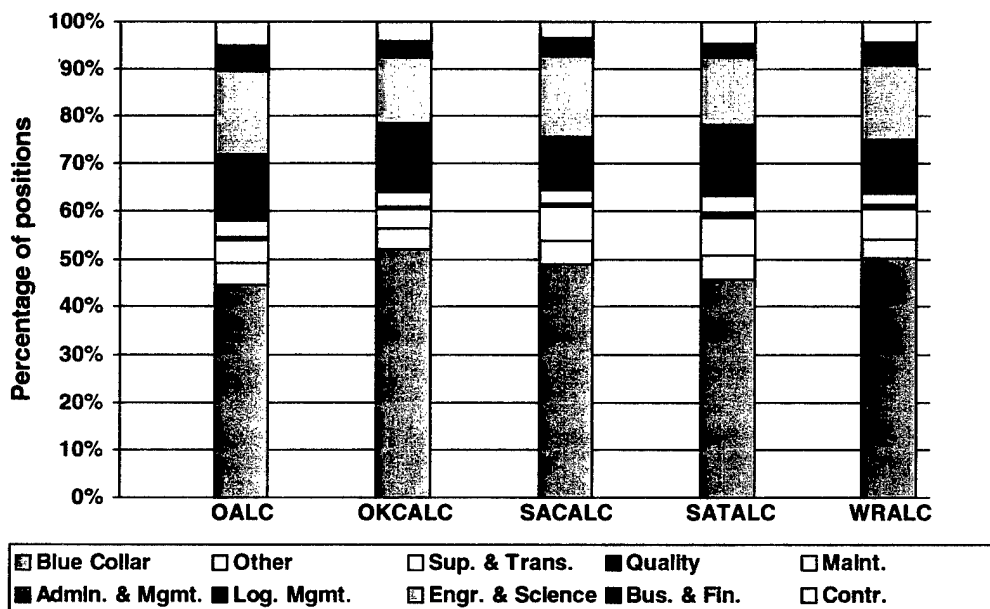


Figure 5-8. Normalized Air Logistics Centers Workforce Mix by Functional Groupings of Occupational Series

Figure 5-9 shows the composition of the designated acquisition positions in the ALCs. Blue-collar positions are not shown because none of those positions are designated as acquisition positions. Although the mixes of functional groupings are the same, the proportional acquisition workforce composition appears to be inconsistent across the ALCs. The acquisition position designations in Sacramento appears to be most inconsistent with the others. To check the apparent inconsistencies, we also normalized the data. These results are shown in Figure 5-10. The higher degree of variability in composition of the acquisition position designations is readily apparent.

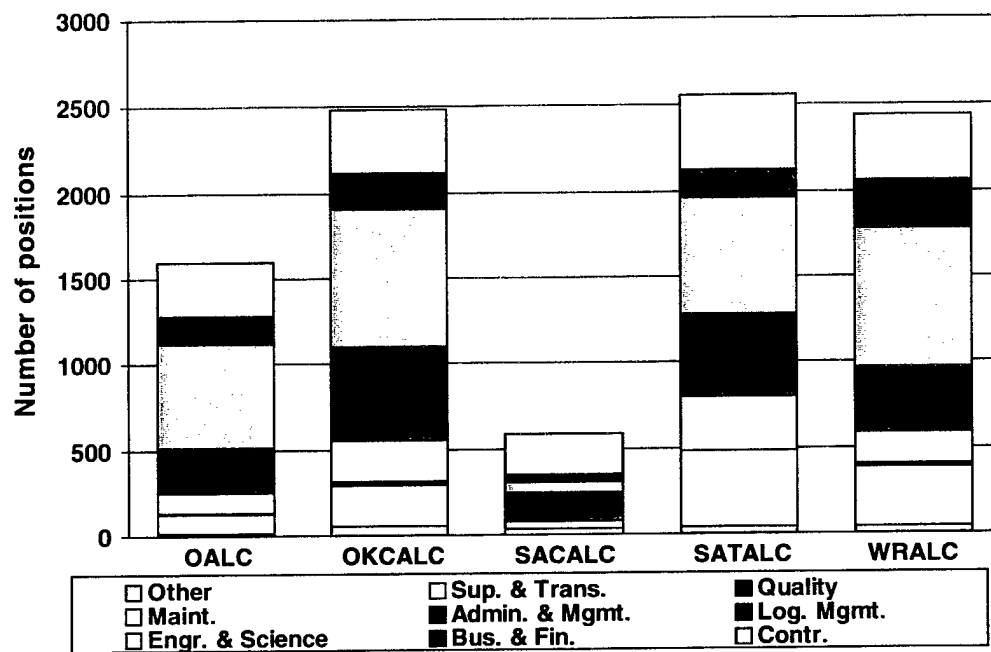


Figure 5-9. ALC Designated Acquisition Positions by Functional Groupings of Occupational Series

We continued the analysis down to the next level by comparing acquisition position designations across the ALCs by logical functional groups of occupational series. Figure 5-11 shows the results of comparing acquisition position designations for three logistics groups: supply and transportation, maintenance, and logistics management. The inconsistencies across the ALCs in these areas of logistics are readily apparent.

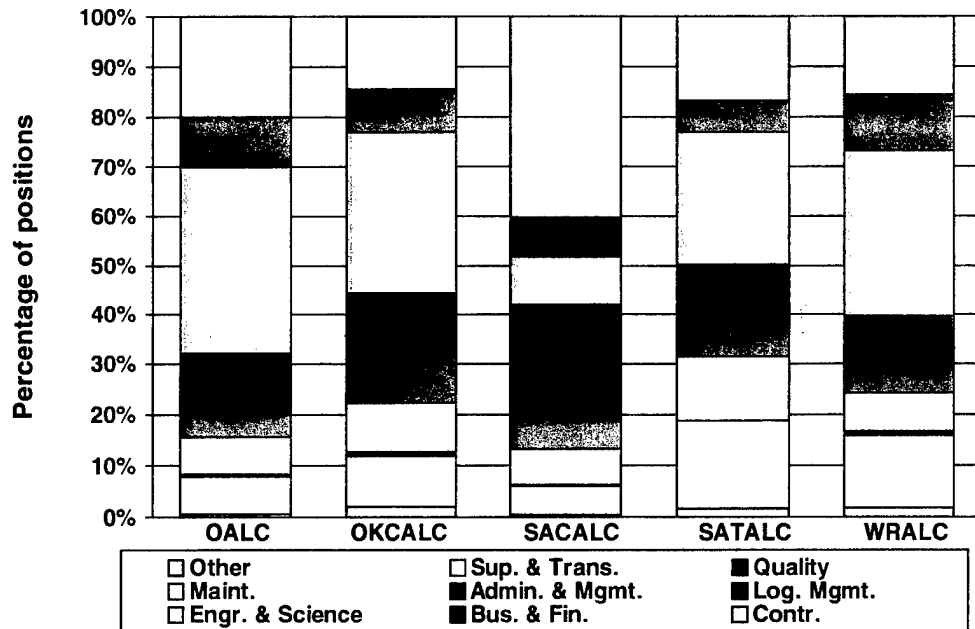


Figure 5-10. Designated Acquisition Positions in ALCs (Normalized)

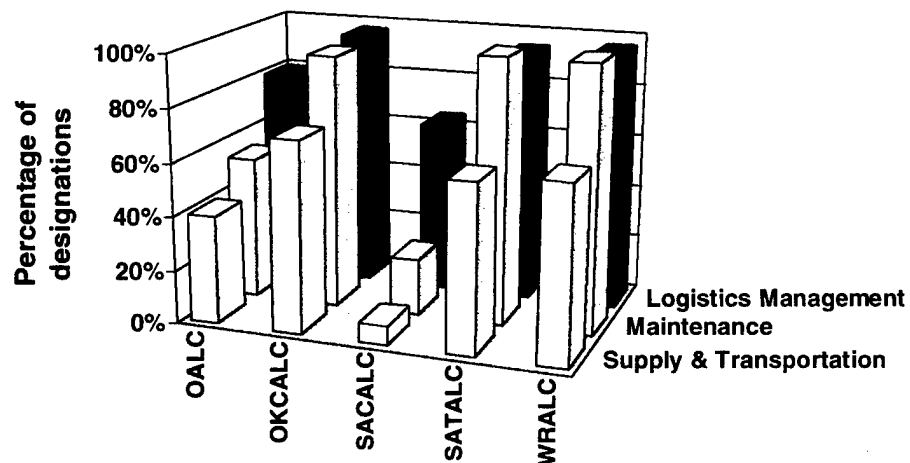


Figure 5-11. Designated Acquisition Positions in Air Logistics Centers

We next go back to the type of analysis we used earlier in a slightly modified form. Figures 5-12 through 5-14 show comparisons across components for each of the functional groups within logistics listed in the previous paragraph. The graphs show the percentage of positions designated as acquisition positions and the numbers on top of the bars are the total numbers of the positions of that particular type in the component.

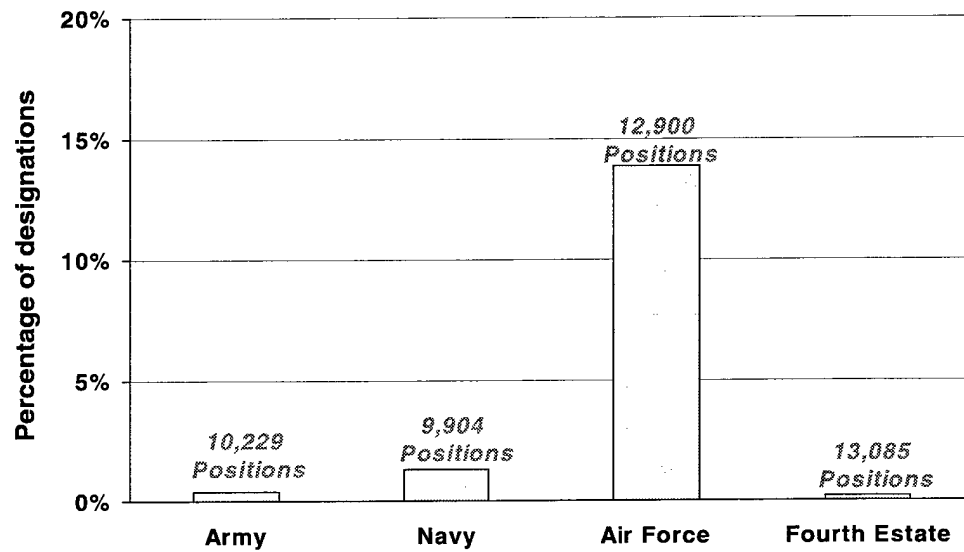


Figure 5-12. Designation of Acquisition Positions in Supply and Transportation

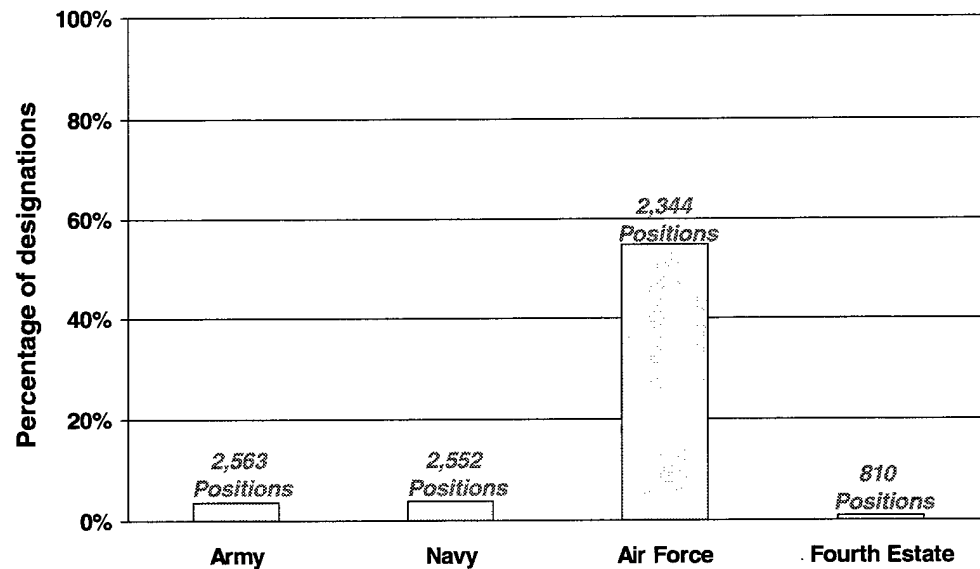


Figure 5-13. Designation of Acquisition Positions in Maintenance

Figure 5-12 shows that, for the supply and transportation occupations, the Air Force designations are much higher than those in the other components. Similarly, Figure 5-13 shows that the Air Force designated a high percentage of equipment specialists, who are the white-collar members of the maintenance field.

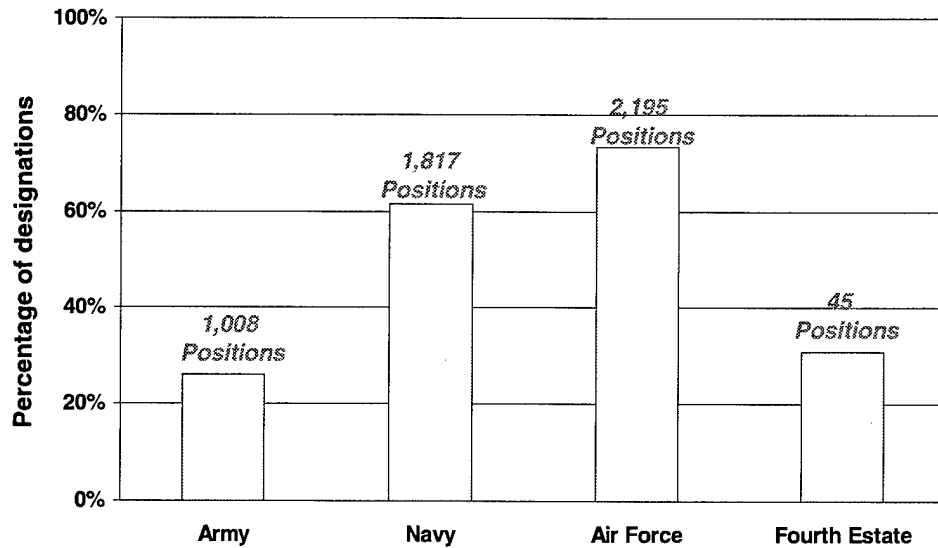


Figure 5-14. Designation of Acquisition Positions in Logistics Management

Figure 5-14 summarizes the logistics family by showing how Air Force acquisition position designations exceed those in the other components. These results tend to reinforce the earlier observation that the Air Force was liberal in designating acquisition positions.

Figure 5-15 shows similar results for positions in the quality, administration and management, and business and finance functional groupings. The inconsistencies in acquisition position designations across the ALCs are apparent. The same observation applies to the engineering and science functional grouping, which is shown in Figure 5-16. This figure also shows designations in the contracting field. However, in this case, the contracting positions were consistently designated across all ALCs.

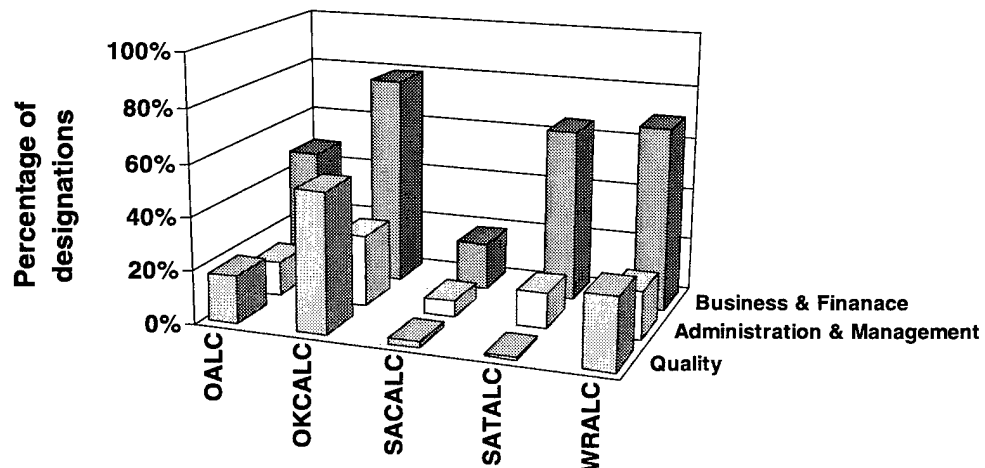


Figure 5-15. Designation of Acquisition Positions in Air Force Logistic Centers

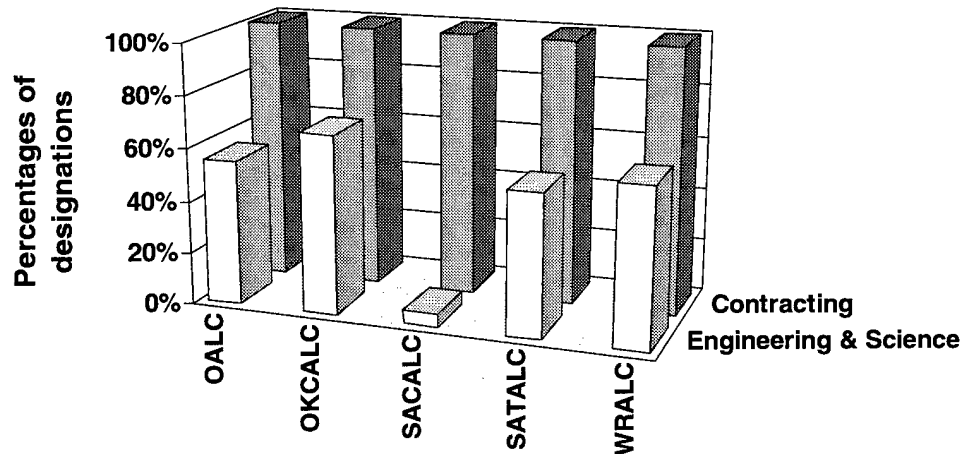


Figure 5-16. Designation of Acquisition Positions in ALCs

In the preceding comparisons, the percentages of acquisition position designation in the Sacramento ALC were significantly below those in the other ALCs, with the exception of the contracting functional grouping. Figure 5-17 compares the total designations of acquisition positions in the ALCs to those in the Sacramento ALC alone and against those in Army and Navy depots and maintenance activities.

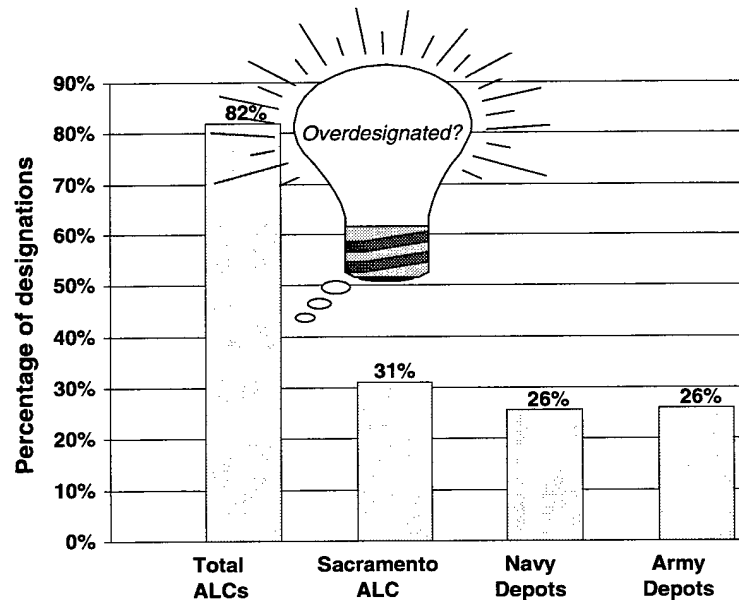


Figure 5-17. Acquisition Position Designations in All ALCs Compared with Sacramento ALC and with Navy and Army Depots

The weight of the evidence examined indicates that too many positions are designated as acquisition positions in the ALCs. The evidence may also suggest that our Air Force algorithm may have generated a large number of type I errors in the

Air Force ALCs, i.e., identified too many acquisition positions because there may be too many designated acquisition positions in the ALCs.

SYSTEMS AND COMMODITY COMMANDS

We show the next set of comparisons because the relative designations of acquisition positions in Navy systems commands were much lower than those in the systems centers of AFMC or the commodity commands of AMC. The Navy systems commands included in this comparison are the Naval Sea Systems Command (NAVSEA), Naval Air Systems Command (NAVAIR), and Space and Naval Warfare Systems Command (SPAWAR). For the Army, the commodity commands of AMC include the Communications and Electronics Command; Missile Command; Aviation and Troop Command; Tank Automotive Command; Armaments, Munitions, and Chemical Command; Armaments Research and Development Command; and the Simulation, Training, and Instruction Command. The AFMC systems centers include the Aeronautical Systems Center, Electronics Systems Center, Space Systems Center, Aerospace Guidance and Metrology Center, Arnold Engineering Development Center, Standard Systems Center, and the Human Systems Center.

A large amount of manpower resources are committed to the systems and commodity commands. Table 5-4 shows—or the Navy organizations NAVSEA, NAVAIR, and SPAWAR combined (less shipyards and depots)—the total number of civilian positions; the number of positions assumed to be eligible for acquisition position designation; and number of eligible positions (those designated as acquisition positions). Comparative numbers are provided for the AFMC systems centers and the AMC commodity commands. The data in Table 5-4 are graphically summarized in Figure 5-18, which shows that designations of acquisition positions in Navy systems commands (less shipyards and depots) are significantly less than for the comparable commands of the Army and Air Force.

Table 5-4. Acquisition Position Designations in Systems and Commodity Commands

Civilian positions	Army— AMC commodity commands	Navy—Systems commands (less ship- yards/depots)	U.S. Air Force— AFMC systems centers
Total	35,608	64,485	9,097
Eligible for designa- tion as acquisition position	18,302	40,288	6,153
Designated as acquisition position	13,468 (74% of number eligible)	17,688 (44% of number eligible)	5,434 (87% of number eligible)

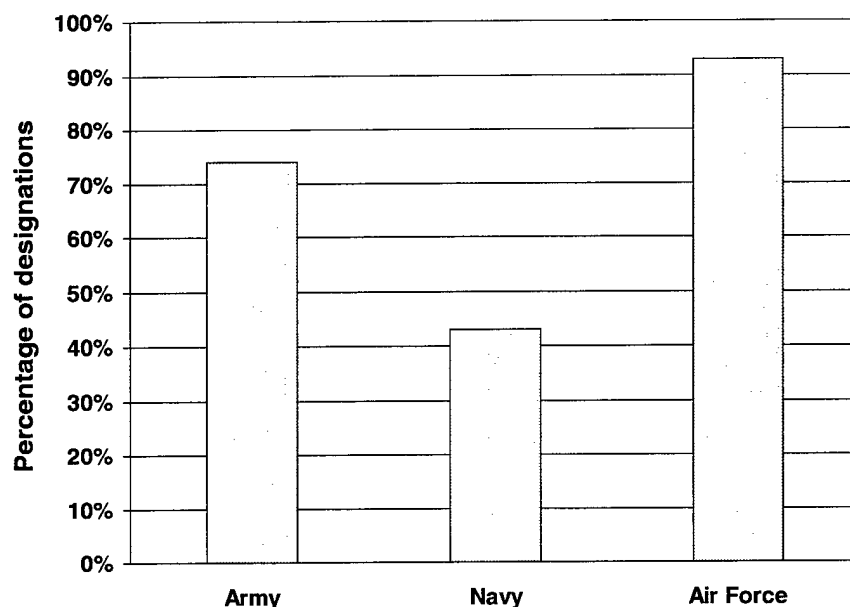


Figure 5-18. Acquisition Position Designations in Systems and Commodity Commands

The inconsistency of acquisition position designations in the Navy systems commands, when compared with similar organizations in the Army and Air Force, caused us to continue the analysis at lower levels of aggregation. Table 5-5 shows acquisition position designations for the Navy systems commands (less shipyards and depots), namely, NAVSEA, SPAWAR, and NAVAIR. In Figure 5-19, we graphically compare the acquisition positions designations (less shipyards and depots) in NAVSEA, SPAWAR, and NAVAIR. Figure 5-19, also shows the percentages associated with the designation of acquisition positions. The data suggests that NAVSEA designations (less shipyards and depots) appear to be low, when compared with NAVAIR (less aviation depots) and SPAWAR. The designations across the three Navy systems commands also appear to be inconsistent.

Table 5-5. Acquisition Position Designations in Navy Systems Commands

Civilian positions	NAVSEA (less shipyards/depts)	SPAWAR	NAVAIR (less aviation depts)
Total	35,736	6,539	22,210
Eligible for designation as acquisition position	23,211	4,299	12,718
Designated as acquisition position	4,784	1,866	11,038

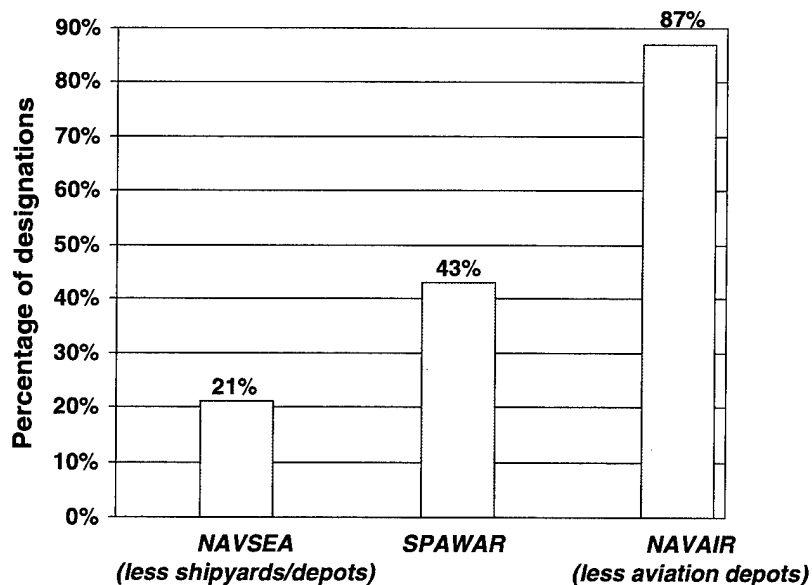
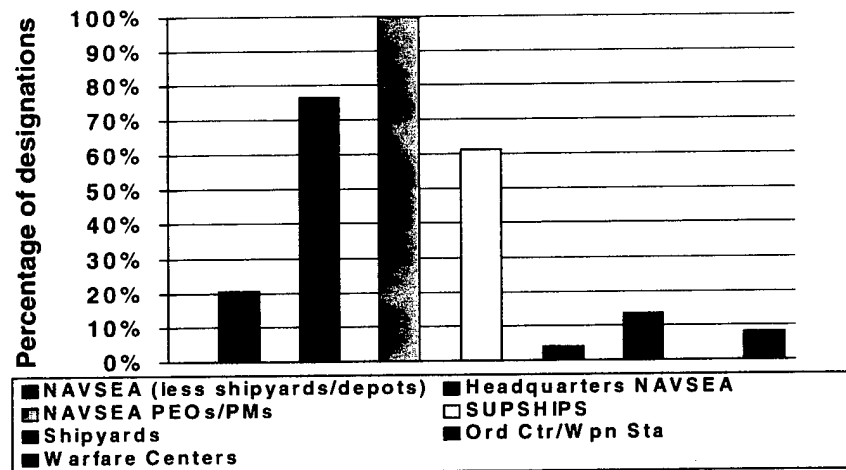


Figure 5-19. Acquisition Position Designations in Navy Systems Commands (Less Shipyards and Depots)

We continued the decomposition of the apparent inconsistency by examining acquisition position designations within similar units and activities across NAVSEA. Figure 5-20 shows the activity groupings across NAVSEA that are similar in terms of percentage of eligible positions designated. The number above each of the bars is the number of eligible positions reported in the data. The organizational groupings include NAVSEA (less shipyards and depots) to serve as a comparative baseline. The activity groupings of interest are Headquarters (HQ) NAVSEA; PM and PEO offices located within NAVSEA (NAVSEA PEOs/PMs); supervisors of shipbuilding, conversion, and repair (SUPSHIPS); shipyards; ordnance centers and weapons stations (Ord Ctr/Wpn Sta); and NAVSEA warfare centers.

The data in Figure 5-20 show that HQ NAVSEA, PEOs/PMs, and SUPSHIPS each have relatively high proportions of their eligible positions designated as acquisition positions. On the other hand, the NAVSEA warfare centers, the shipyards, ordnance centers, and weapons stations have relatively few positions designated. Note that the shipyards, ordnance centers, and weapons stations, collectively, are the depot activities in NAVSEA. Because of the industrial nature of the support provided by the depot activities in NAVSEA, it is not surprising that few acquisition positions were designated in the depots. The NAVSEA warfare centers' acquisition position designations are counterintuitive, however, as they have missions similar to the AMC commodity commands and the AFMC systems centers. NAVSEA warfare center activities include in-service engineering and direct support of PEOs/PMs in matrix support of acquisition programs.



Note: Numbers above bars are the total numbers of eligible positions.

Figure 5-20. Acquisition Position Designations in Selected NAVSEA Groups of Similar Activities

The next logical step in the analysis is to compare the acquisition position designations in the warfare centers with similar organizations in SPAWAR and NAVAIR. For NAVAIR, the air warfare centers are the organizations with similar missions. In SPAWAR, the most similar organization is the Naval Command and Control Ocean Systems Center (NCCOSC) and its subordinate activities. We show this comparison in Figure 5-21. Given the large number of eligible positions in the NAVSEA warfare centers, the potential implications of the relatively low designations are large. If a significant number of type II errors were made, then the size of the workforce may be understated by thousands of positions.

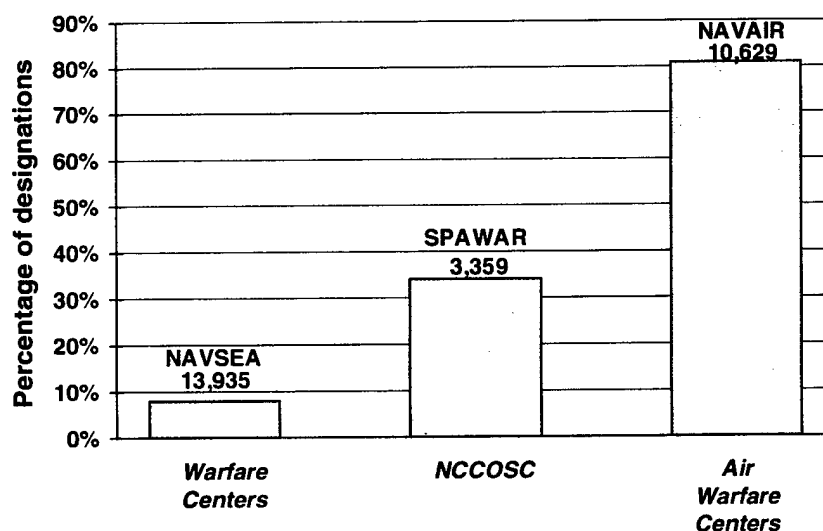
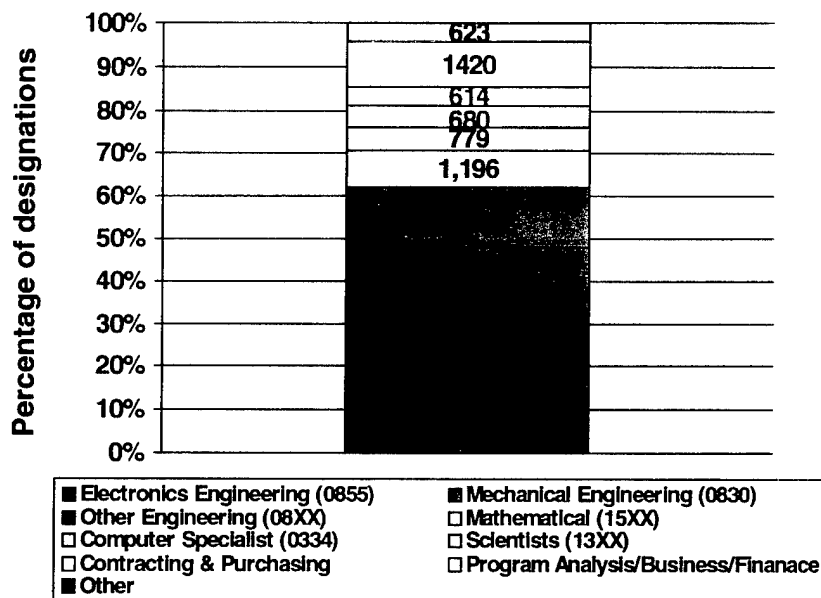


Figure 5-21. Acquisition Position Designations in Navy Warfare Center Activities

A view of the composition of the acquisition-eligible series in the NAVSEA warfare centers is also helpful. Figure 5-22 shows the normalized composition of the acquisition-eligible positions by series. The large number of electronics (0855) and mechanical engineering (0830) positions are evident. When the other engineering series (08XX) are included, the total number of engineers represents 63 percent of the eligible positions. The scientific (13XX) and mathematical (15XX) series raise the total to about 80 percent. In Table 4-10 we showed that the Navy had proportionately fewer acquisition position designations than the other military departments in series 0830, 0855, 1301, 1310, and 1320, which are heavily represented in the NAVSEA warfare centers. Combined with this latest evidence, it seems likely that acquisition positions in NAVSEA, in general, and in the NAVSEA warfare centers, in particular, have been underdesignated by several thousand positions.



Note: The numbers of positions are shown within the bars.

Figure 5-22. Normalized Composition of Acquisition Eligible Series in NAVSEA Warfare Centers

A final comparison relative to the warfare centers in NAVSEA is relevant to this discussion and is shown in Figure 5-23. The figure shows the acquisition position designations in the NAVSEA warfare centers compared with similar organizations of the Army and Air Force. Designations in the systems centers of AFMC and those of the AMC commodity commands are at similarly high levels, while those in the NAVSEA warfare centers are at only 8 percent. Inconsistent designation alone is not evidence of underdesignation. However, we believe that the breadth and scope of the various types of inconsistencies and the nature of the warfare centers strongly suggests the need for a thorough review of their acquisition position designations.

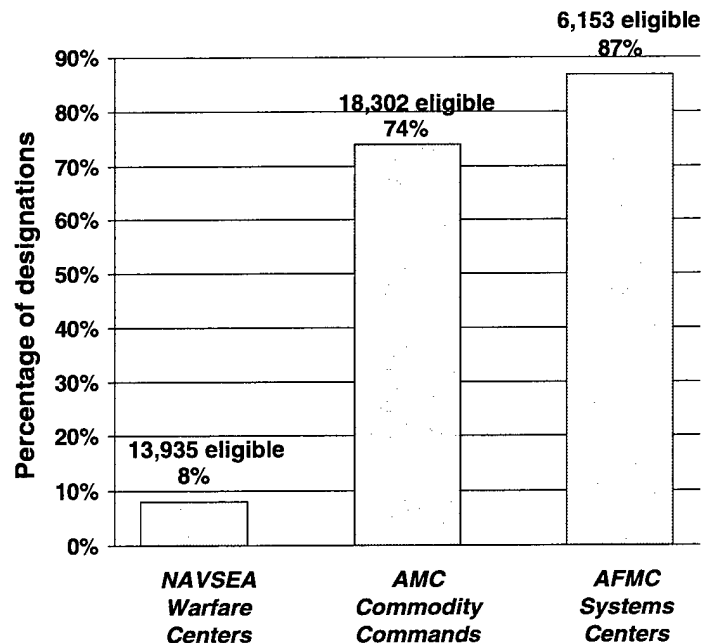


Figure 5-23. Acquisition Position Designations in NAVSEA Warfare Centers Versus Designations in Similar Army and Air Force Organizations

NAVY DEPOTS AND MAINTENANCE ACTIVITIES

Figure 5-20 showed relatively low levels of acquisition position designations in the NAVSEA depot activities, which consist of shipyards, weapons stations, and ordnance centers. Figure 5-24 compares the total designations in NAVSEA shipyards and depots with those in the NAVAIR aviation depots. The inconsistency between the designations in NAVAIR and NAVSEA is obvious. We consciously left the depots out of the earlier comparisons of NAVSEA and NAVAIR because we did not want to bias the results by including industrial-type activities, where we expect acquisition position designations to be relatively low.

In Figure 5-25 we show the cross-component comparison of acquisition position designations in depot activities. The designations in the NAVSEA shipyards and depots are much lower than all the other activities. However, we see that the designations in the NAVAIR aviation depots are relatively higher than those for Army depots and for the Air Force Sacramento ALC.

The explanation for the inconsistency of acquisition position designations in the NAVSEA shipyards and depots is not apparent. A review by the Navy acquisition position designations in the Navy depot and maintenance activities would resolve the issue.

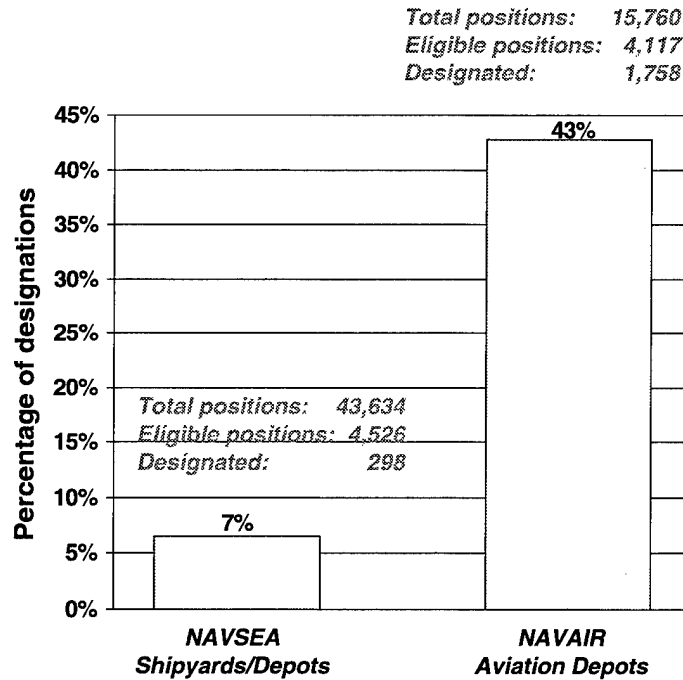


Figure 5-24. Acquisition Position Designation in Navy Depot and Maintenance Activities

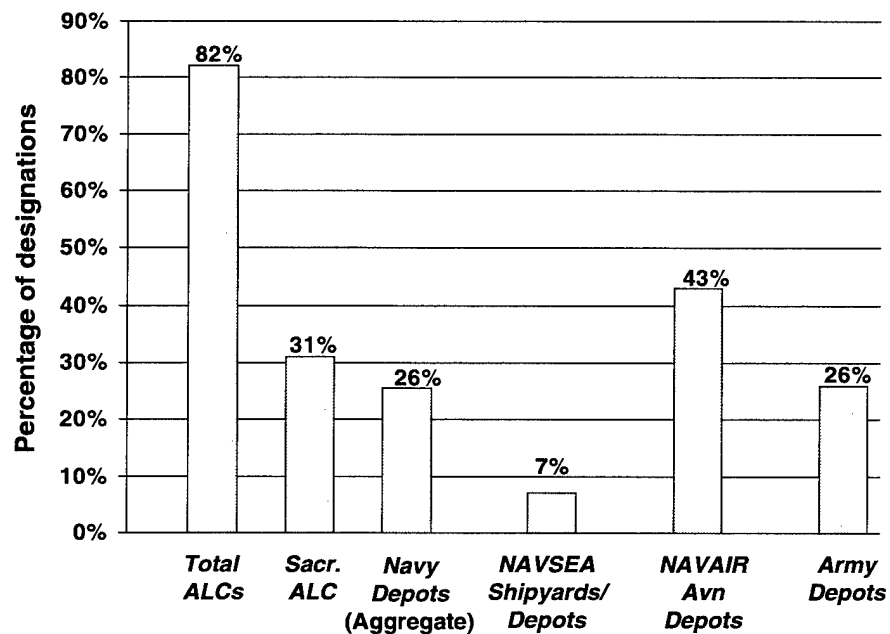


Figure 5-25. Comparison of Acquisition Position Designations in Depot and Maintenance Activities

LABORATORIES

Figure 5-26 shows the acquisition position designations in the laboratories of the three military departments. The Army's laboratory organization is the Army Research Laboratory, which is subordinate to AMC. The Navy laboratory organization is the Naval Research Laboratory (NRL), which is an element of the Office of Naval Research. In the Air Force, the laboratories are elements of AFMC and are the Armstrong, Phillips, Rome, and Wright Laboratories. There is an obvious large inconsistency in the designation of acquisition positions across the components. NRL designations are dramatically lower than corresponding designations for the Army and Air Force.

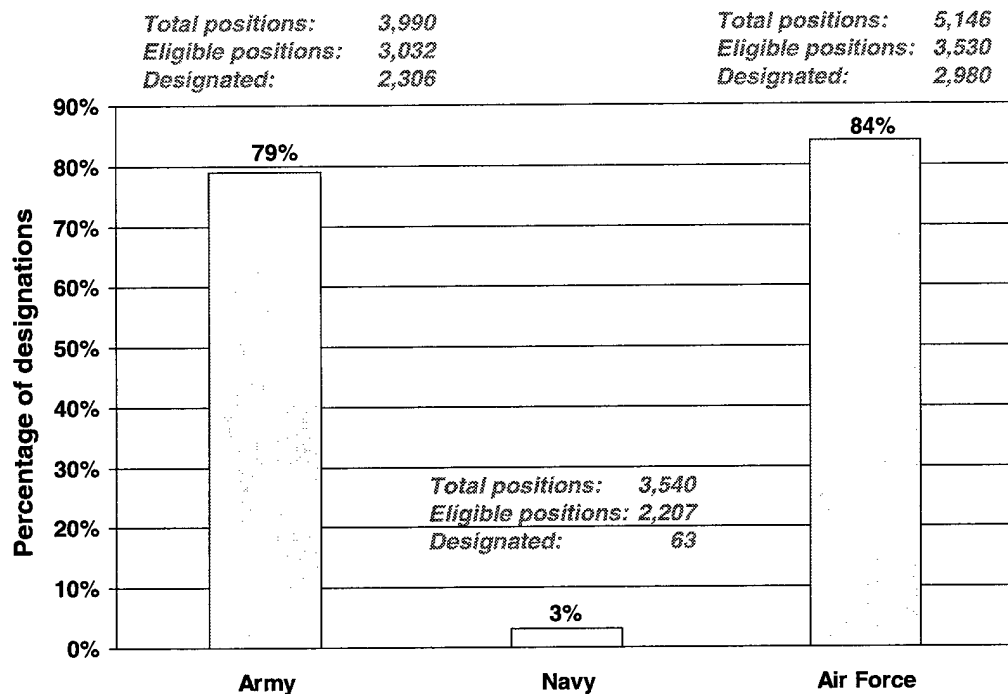


Figure 5-26. Comparison of Acquisition Position Designations in Laboratories

The designation of positions in laboratories seems to revolve around the question of where the acquisition process begins. Does acquisition begin after basic research and exploratory development as suggested by the AFMC guidance described in Chapter 2 Should all junior-grade scientists and engineers in the laboratories be designated regardless of the nature of the research and development they do? The answers to these and other questions regarding laboratory functions and the fields of research and development, and test and evaluation (T&E) should be addressed by the acquisition functional boards. The position designation guidance for the systems planning, research, development, and engineering (SPRDE) and T&E career fields, in particular, should amplify the guidance on laboratory functions.

Designation of Military Acquisition Positions

Our review of military acquisition positions led us to conclude that military positions in each military service have been coded consistently according to each service's policies for designating military acquisition positions. Inconsistencies exist across the services in the designation of military positions by acquisition career field, a point that we noted in Chapter 2. However, the inconsistencies in military acquisition position designations that we noted in Chapter 2 do not suggest that any significant number of military positions may have been erroneously designated or omitted.

A comparison of September 1995 position data entered in the DAWIA MIS matched the position data we collected from the manpower system of each service, with the exception of the Air Force. Table 5-6 summarizes our observations.

Table 5-6. Reported Military Acquisition Positions Compared with Military Service Manpower Data

Service	30 Sep 1995—DAWIA MIS reported positions	Result of match with service manpower data
Army	2112	✓
Navy	3196	✓
Marine Corps	782	✓
Air Force	7,125	x

We looked deeper into the apparent discrepancy in reported Air Force positions in an attempt to explain it. The Air Force report for 31 March 1995 showed 11,764 acquisition positions. Data recently submitted by the Air Force to DMDC for 31 March 1996 reported 11,797 positions. After a discussion with a point of contact in the Air Force Director of Acquisition Career Management Office, we concluded that the September 1995 report of Air Force positions to the DAWIA MIS was erroneous. Although we found 12,412 positions in the manpower data, we were able to resolve almost all the discrepancies by eliminating the inadvertent inclusion of reserve component positions and by adjusting for report timing differences in the manpower data. Our conclusion is that the Air Force military position designations are internally consistent and the reporting anomaly seen in the September 1995 DAWIA MIS data has been resolved.

The inconsistency of designations across military services with respect to the acquisition position category provides some interesting insights. The following observations should be evaluated for implications regarding military position designation practices:

- ◆ Only the Air Force, Navy, and Marine Corps designate enlisted acquisition positions. The Air Force designated 1,953 enlisted acquisition positions. September 1995 data show Navy and Marine Corps designated 39 and 126 enlisted acquisition positions, respectively. The enlisted acquisition positions in the Navy are in the quality assurance and acquisition logistics position categories. The Marine Corps enlisted acquisition positions are in the purchasing and contracting position categories. In the Air Force, enlisted acquisition positions are designated in the contracting, purchasing, acquisition logistics, and communications—computer systems position categories.
- ◆ Only the Marine Corps designates acquisition positions for warrant officers (22), all of which are in the contracting position category.
- ◆ The Air Force is the only service in which acquisition is a primary duty from the point of officer accession, with 1,096 lieutenant/O-2 positions currently reported.
- ◆ The Navy has designated 35 percent of its military acquisition positions in contracting. This is more than three times the percentage of contracting-position designations in the Army or the Air Force. The reason for the relatively high number of Navy military acquisition position designations in contracting is that they have 972 Civil Engineering Corps (5100 designator) positions in the contracting position category. The Civil Engineering Corps officers have duties involving the management of contract construction and many are warranted contracting officers. Neither Army Corps of Engineers (AOC 21D) or Air Force Civil Engineering (AFSC 32E) military officer positions are designated as acquisition workforce positions. Because the data we collected provides no information on whether or not Army and Air Force engineer and civil engineer officers hold contracting warrants, we could not ascertain whether there is an issue here.
- ◆ The designation of 719 Air Force military positions in acquisition logistics far exceeds the designations in the other services. By comparison, the Army designated 38 positions in acquisition logistics; the Navy, 145 positions; and the Marine Corps, 42 positions. The Air Force acquisition logistics designations represent more than 10 percent of their military acquisition positions; and the Army's, only 2 percent of theirs. The relatively high number of Air Force military positions is consistent with the observation that Air Force civilian position designations in acquisition logistics was high. Similarly, we pointed out, in Table 5-2, that Army civilian position designations in acquisition logistics was the lowest of any component.

When we examined the military acquisition position data in the DAWIA MIS, we discovered that military acquisition positions in the Fourth Estate are double counted in the MIS. Both the Fourth Estate components and the supporting service report the position. The Army, Navy, and Marine Corps report the positions

with the Fourth Estate component code instead of their own component code. The Air Force reports the Fourth Estate positions using the Air Force component code. In either case, the positions are double counted. The September 1995 DAWIA MIS position file has 1,256 positions that are counted twice.

Summary

In this chapter, we have discussed the principal results of our analysis of acquisition position designations in DoD that we performed independent of the algorithms. While we noted in Chapter 4 that the components have done an excellent job in designating acquisition positions, there are a number of issues that should be resolved. When the analytic results described in this chapter and Chapter 4 are viewed in context, issues emerge regarding some of the position designation inconsistencies. Some of the issues implied by the analysis are of sufficient magnitude to require review by the cognizant component or functional board, or to be the impetus for possible revisions to DoD policy and guidance. In the next chapter, we summarize our most important findings by expressing them as issues for further consideration.

Chapter 6

SUMMARY OF ISSUES AND RECOMMENDATIONS

Overall Designation of Acquisition Positions in DoD

Overall, designation of acquisition positions by DoD components is appropriate and accurate. As we pointed out earlier, position designations, in the aggregate, are more than 90 percent correct. In this chapter, we summarize the principal issues identified by our analysis and, where appropriate, offer recommendations for follow-on actions by components, acquisition functional boards, or the Office of the Under Secretary of Defense for Acquisition and Technology.

Possible Errors of Omission or Commission

During the course of this study, we identified a high percentage of matches between component acquisition position designations and the results of our algorithms. The algorithms also identified areas in which possible erroneous designations (errors of commission) may have occurred. Conversely, possible failures to designate positions were also identified (errors of omission). The positions identified in either case should serve as an effective pointer to functional areas or organizations in which components should review designations of acquisition positions.

POSSIBLE ERRORS OF COMMISSION

We identified more than 7,000 possible errors of commission and have provided the details to the components for their review. These positions are in the following categories:

- ◆ More than 2,300 positions in occupational series were explicitly identified as appropriate for the acquisition workforce in DoDI 5000.58 and DoD 5000.52-M. These positions are not identified by our algorithms as acquisition positions, i.e., are not associated with other positions that had the characteristics of acquisition positions.

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- ◆ Nearly 5,000 positions in ineligible occupational series are either not mentioned or covered too broadly in DoDI 5000.58 or DoD 5000.52-M. Characterizations of these types of positions include the following:
 - ◆ Administrative- or support-type occupational series that are clearly inappropriate for designation as acquisition positions. Examples include secretaries (0318 series), clerks of various series, and blue-collar series.
 - ◆ Positions in the logistics family that are not mentioned in DoDI 5000.58 or DoD 5000.52-M but that have been designated in significant numbers in some areas. These occupational series include equipment specialists (1670 series); supply and transportation occupations (20XX series); and, especially, inventory management (2010 series).
 - ◆ Positions in occupational series addressed broadly in DoDI 5000.58 and DoD 5000.52-M, such as engineering (08XX series). Nonprofessional series, such as engineering technicians (0802 series) and electronics technicians (0856 series) also fall into this category. The examples in the position designation guidance in DoD 5000.52-M do not include technicians. Further, the certification standards for technical career fields, such as systems planning, research, development, and engineering (SPRDE) and testing and evaluation (T&E), include requirements for a baccalaureate degree, which is not a requirement for employment as a technician.

POSSIBLE ERRORS OF OMISSION

We found about 9,000 positions that were possibly omitted from the acquisition workforce and provided the details to the components for their review. The most frequent possible errors of omission included

- ◆ engineers—general engineering (0801 series), mechanical engineering (0830 series), electronics engineering (0855 series), and aerospace engineering (0861 series);
- ◆ logistics management (0346 series);
- ◆ computer specialists (0334 series);
- ◆ procurement clerical and assistance (1106 series);
- ◆ miscellaneous administration (0301 series);
- ◆ management and program analysis (0343 series);
- ◆ budget analysis (0560 series);
- ◆ financial administration (0501 series); and
- ◆ general business and industry (1101 series).

Some of the errors of omission are likely the result of unclear position designation guidance in the functional areas of acquisition logistics; communications—computer systems; contracting; purchasing; business, cost-estimating, and financial management (BCE&FM); SPRDE and T&E.

UNCERTAIN POSITIONS

Our algorithm identified about 13,000 positions whose acquisition status was uncertain. These positions were divided equally between positions that were designated as acquisition positions and those that were not. We provided the details for these positions to the components. These data should serve as pointers to areas where position designations should be reviewed by the components. The occupational series groupings of the uncertain positions fall into the same categories we highlighted for the omissions, and this reinforces the need for review of the position designation guidance by the same functional boards.

Implications of Broad Position Designation Inconsistencies by Occupational Series

We reviewed the principal occupational series in the acquisition workforce and categorized the acquisition position designations as

- ◆ consistent across the military departments;
- ◆ inconsistent across the military departments;
- ◆ two military departments consistent with the other designating its positions at a significantly lower level; or
- ◆ two military departments consistent with the other designating its positions at a significantly higher level.

As a result of this review, we identified the following:

- ◆ The Navy consistently had the proportionately lowest acquisition position-designation levels for engineers and scientists.
- ◆ The Air Force consistently had the highest levels of designations in logistics and computer specialists.
- ◆ The Army had the lowest levels of acquisition position designations in logistics.
- ◆ Acquisition-position designations in contracting (1102 series) and purchasing (1105 series) were consistent throughout DoD (virtually 100 percent).

The results of this analysis suggests that many type I (commission) errors may exist in the Air Force because of the relatively large number of positions designated, and that a large number of type II (omission) errors may exist in the Navy because of the relatively low number of positions designated. Once again, these results also suggest the need for review of guidance for position designations in the areas of acquisition logistics, communications—computer systems, SPRDE, T&E, and manufacturing and production.

Designations of Acquisition Positions in Certain Acquisition Organizations

To gain additional analytic insight, independent of our algorithms, we analyzed and compared acquisition position designations in similar organization types within and across components. The results we observed in the organizational comparisons are also consistent with the cross-component analysis of acquisition position designation by occupational series. The most notable issues arising from this line of analysis are as follows:

- ◆ With the exception of the Sacramento ALC, acquisition position designations in air logistics centers are liberal. The occupational groupings where acquisition position designations appeared especially high include maintenance, supply, transportation, logistics management, engineering, and science.
- ◆ The warfare centers in the Naval Sea Systems Command (NAVSEA) may have thousands of positions that are erroneously omitted from the acquisition workforce. The possible errors of omission are primarily in the engineering, science, and mathematical occupational groupings.
- ◆ Designation of acquisition positions in Navy depots and shipyards are inconsistent and should be reviewed. We saw that the acquisition position designation in NAVSEA shipyards and depots are relatively low, while those in the Naval Air Systems Command (NAVAIR) aviation depots were high.
- ◆ Review of acquisition position designations in laboratories revealed that the designations in the Army and Air Force are consistently high (around 80 percent), while those in the Naval Research Laboratory are low (3 percent). This anomaly points to the need for the SPRDE Functional Board to provide clear guidance on the type of research activity to be included in the acquisition workforce.

Designation of Military Acquisition Positions

We did not identify any major issues or concerns regarding the designation of military acquisition positions. The services seem to have done an excellent job of designating all appropriate positions in the acquisition workforce. However, two minor issues need to be reviewed: the inclusion of enlisted positions in the acquisition workforce, and the possible overdesignation of military acquisition logistics positions in the Air Force.

The DAWIA Management Information System

An important byproduct of this study is the critical review we were able to make of the DAWIA Management Information System (MIS). This review was possible because we made extensive use of the personnel and position data; were able to track DAWIA MIS data longitudinally; made use of the component source data for the DAWIA MIS; and had access to extensive component organizational and functional data. Specific observations of note are as follows:

- ◆ Underreporting of positions which are entered into DAWIA MIS is not detected by the Office of the Secretary of Defense (OSD) because there is no cross-reference possible with the Defense Manpower Data Center (DMDC) Billet Master File.
- ◆ OSD cannot validate the appropriateness of position designations because the DAWIA MIS and other available data sources from DMDC lack sufficient organizational and functional levels of detail.
- ◆ Identifying units in the Fourth Estate is difficult because DMDC does not maintain a dictionary of unit identification codes (UICs) used internally by Fourth Estate components.
- ◆ UICs and personnel accounting symbols (PASs), used by the services to report position data for Fourth Estate positions, cannot easily be compared with to the same positions reported by the Fourth Estate because different UICs are used.
- ◆ Position numbers used to identify DAWIA positions are not standardized. The Army military positions, as well as both military and civilian positions in some Fourth Estate components, use ad hoc numbering systems. The convention for identifying positions should be to
 - ◆ use the civilian position control number plus the major command or manpower claimant, or agency code, for civilian positions; and
 - ◆ use the respective military manpower system position number, plus the UIC or PAS, plus the major command or manpower claimant, or agency code, for military positions.

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- ◆ Military acquisition positions in the Fourth Estate are reported twice, once by the service and again by the DoD component.

Recommendations

We offer the following major recommendations:

- ◆ Each component should use the detailed lists of possible errors of omission and commission and the uncertain positions as a guide to areas where acquisition position designations should be reviewed.
- ◆ The Air Force should review the designation of acquisition positions in the field of logistics, across the Air Force (including the air logistics centers).
- ◆ The Navy should review the designation of acquisition positions in the NAVSEA surface warfare centers, where large numbers of positions have possibly been omitted from the workforce; and in the Naval Research Laboratory, where significant numbers of positions may have been omitted from the acquisition workforce.
- ◆ The SPRDE, Manufacturing and Production, and T&E Functional Boards should take the following steps: Review the pertinent guidance on career-field designations and provide more specific guidance on the scope of engineering work intended for coverage in the acquisition workforce.
- ◆ The SPRDE Functional Board should provide specific career-field guidance regarding the type of research activities (e.g., 6.1, 6.2, 6.3a) that are intended for coverage by the acquisition workforce.
- ◆ If the SPRDE, T&E, and Manufacturing and Production Functional Boards feel that the subprofessional occupational series of the various types of engineering technicians should be included in the workforce, these boards should recognize these series in the appropriate career-field guidance and identify the desired educational standards.
- ◆ The Procurement and Contracting Functional Board should give clear and definitive guidance on the issue of appropriateness of including (or not including) occupational series 1106 (procurement clerical and assistance, or contracts technician) in the acquisition workforce.
- ◆ The Acquisition Logistics Functional Board should provide more specific guidance on career-field designations, with more specific definitions and examples of what acquisition logistics is intended to include. Specific guidance should also address the appropriateness of including equipment specialists (1670 series), and supply and transportation positions (20XX series), in the acquisition workforce.

- ◆ The military departments and the Defense Information Systems Agency should review the designation of computer specialists (0334 series) as acquisition positions.
- ◆ The OUSD(A&T) should review the current definition of acquisition in DoDI 5000.58 and DoD 5000.52-M because it may lack the detail and specificity necessary to aid in the proper identification of acquisition positions.
- ◆ The OUSD(A&T) should review the DAWIA MIS to expand its level of detail, standardize data submissions, and improve its accuracy.

Appendix A

DEFENSE ACQUISITION ORGANIZATIONS AND COMPONENTS OF THE FOURTH ESTATE

Table A-1. DoD Acquisition Organizations

Office of the Under Secretary of Defense for Acquisition and Technology

Department of the Army

Office of the Assistant Secretary of the Army (Research, Development and Acquisition) (RDA)
Army Materiel Command
Army Information Systems Command
Army Space and Strategic Defense Command
Army Medical Research, Development, Acquisition, and Logistics Command
Army Acquisition Executive Support Agency

Department of the Navy

Office of the Assistant Secretary of the Navy (RDA)
Naval Sea Systems Command
Naval Air Systems Command
Naval Supply Systems Command
Naval Facilities Engineering Command
Office of Naval Research
Space and Naval Warfare Systems Command
Navy Strategic Systems Program Office
Navy Program Executive Officers and Direct Reporting Program Managers
Marine Corps Systems Command

Department of the Air Force

Office of the Assistant Secretary of the Air Force (Acquisition)
Air Force Materiel Command
Air Force Program Executive Officers

Other DoD Components

Defense Logistics Agency
Ballistic Missile Defense Organization
U.S. Special Operations Command

And any successor organizations to the above.

Source: DoD Manual 5000-52-M, *Acquisition Career Development Program*, November 1995.

Table A-2. DoD Components Comprising the Fourth Estate

Office of the Under Secretary of Defense for Acquisition and Technology
Office of the Under Secretary of Defense (Policy)
Office of the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict)
Office of the Assistant Secretary of Defense (Command, Control, Communications, and Intelligence)
Chairman of the Joint Chiefs of Staff and The Joint Staff
U.S. Special Operations Command
Office of the Inspector General of the Department of Defense
Ballistic Missile Defense Organization
Defense Advanced Research Projects Agency
Defense Commissary Agency
Defense Contract Audit Agency
Defense Finance and Accounting Service
Defense Information Systems Agency
Defense Intelligence Agency
Defense Logistics Agency
Defense Mapping Agency
Defense Nuclear Agency
National Security Agency/Central Security Service
On-Site Inspection Agency
American Forces Information Service
Office of Civilian Health and Medical Program of the Uniformed Services
Defense Medical Programs Activity
Department of Defense Dependent Schools
Washington Headquarters Services (Real Estate and Facilities)
Defense Acquisition University
Defense Systems Management College
National Defense University
Uniformed Services University of the Health Sciences
Under Secretary of Defense (Acquisition and Technology) Defense Support Activity

Appendix B

AIR FORCE MANPOWER SYSTEM ACQUISITION CODES

Table B-1. First Character of Required Language Ability Code: Position Level

Code	Description	Guidelines
1	Level I, non-Critical	Primarily GS7/Capts below, enlisted
2	Level II, non-Critical	Primarily GS13/Majors below, enlisted
3	Level II, Critical, division head	GS14/LtCol above and some GS13/Majors
4	Level III, Critical, division head	GS14/LtCol above and some GS13/Majors
5	Level II, Critical, non-division head	GS14/LtCol above and some GS13/Majors
6	Level III, Critical, non-division head	GS14/LtCol above and some GS13/Majors
7	Level III, non-Critical	No GS11/Lts below
9	Developmental	For career transition purposes

Table B-2. Second Character of Required Language Ability Code: Position Category

Code	Position category	Remarks
Program Management		
A	Program Manager	ACAT I and II PDs only, civs limited to GS-1101
B	Deputy Program Manager	ACAT I and II Deputy PDs only, civs limited to GS-1102
N	Program Executive Officer	PEOs only (total of six in Air Force)
V	Program Management Oversight	Center commanders, all PEO staff members, Management Headquarters Support Activities and Support (GS-15/O-6 above)
4	Other Program Management	Typically AFSC 63AX, Project Managers ACAT III, IV PMs
3	Configuration and Data Management	Typically AFSC 63AX and GS-0301

Table B-3. Second Character of Required Language Ability Code: Position Category (Continued)

Code	Position category	Remarks
Contracting		
C	Contracting	GS-1102, officers (64PX), enlisted (6C0X1)
D	Industrial Property Management	GS-1103, officers (64PX)
E	Purchasing	GS-1105, enlisted (6C0X1)
F	Procurement Clerk	GS-1106s only
1	PEO and Contracting Officer	Consult with SAF/AQC before coding
2	Program Manager and Contracting Officer	Consult with SAF/AQC before coding
5	Warranted Contracting Officer	GS-1102, officers (64PX), enlisted (6C0X1)
6	Senior Contracting Official	Designated by SAF/AQC: SES, GS-1102-15s, O-6s only
7	Senior Contracting Official and Contracting Officer	SESS, GS-1102-15, O-6s
8	Deputy Program Manager and Contracting Officer	Consult with SAF/AQC before coding
Systems Planning, Research, Development, and Engineering		
O	Scientist	Proposal pending to recode as "I"
I	Scientist (new title)	Primarily AFSC 61XX, and GS-13XX and 15XX
Q	Engineer (new title)	Primarily AFSC 62XX, and GS-08XX
J	Quality Engineers & Scientists	Proposal pending to recode as "Q"
S	SPRDE	Proposal pending to recode as "I" or "Q"
Manufacturing and Production		
G	Manufacturing & Production	Primarily AFSC 62E3D, GS-801, GS-896, GS-1150 and officers
H	Quality Assurance	GS-1910 and officers
Communications–Computer Systems		
R	Communications–Computer Systems	Civilians, officers (primarily AFSC 33XX), enlisted (primarily AFSC 3CXXX)
Test and Evaluation		
T	Test and Evaluation	

Table B-4. Second Character of Required Language Ability Code: Position Category (Continued)

Code	Position category	Remarks
Acquisition Logistics		
L	Acquisition Logistics	Officers and enlisted, civilians primarily GS-0346 and 08XX
M	Acquisition Logistics Management	Proposal pending to recode as "L"
K	BCE&FM	Primarily 65XX AFSC and GS-05XX
Other		
X	Education, Training, and Career Development	
Z	None of the above	Consult with AFPEO/CM before coding

Source: U.S. Air Force, *The Acquisition Professional Development Guide*, 15 July 1994.

Appendix C

CIVILIAN OCCUPATIONAL SERIES ELIGIBLE FOR ACQUISITION DESIGNATION

We assumed positions in the following series are eligible for designation as acquisition positions. The algorithms treated positions in all other occupations as not being eligible for inclusion in the workforce. Positions in series other than those in Table C-1 were counted as possible errors of commission if they were designated as acquisition positions by the DoD components.

Table C-1. Series Assumed To Be Acquisition Eligible on the Basis of Guidance in DoDI 5000.58 and DoD 5000.52-M

Series	Title
0018	SAFETY AND OCCUPATIONAL HEALTH MANAGEMENT
0028	ENVIRONMENTAL PROTECTION SPECIALIST
0110	ECONOMIST
0180	PSYCHOLOGY
0301	MISCELLANEOUS ADMINISTRATION AND PROGRAM
0334	COMPUTER SPECIALIST
0340	PROGRAM MANAGEMENT
0343	MANAGEMENT AND PROGRAM ANALYSIS
0346	LOGISTICS MANAGEMENT
0391	TELECOMMUNICATIONS
0392	GENERAL TELECOMMUNICATIONS
0401	GENERAL BIOLOGICAL SCIENCE
0403	MICROBIOLOGY
0405	PHARMACOLOGY
0408	ECOLOGY
0410	ZOOLOGY
0413	PHYSIOLOGY
0414	ENTOMOLOGY
0415	TOXICOLOGY
0430	BOTANY

Table C-1. Series Assumed To Be Acquisition Eligible on the Basis of Guidance in DoDI 5000.58 and DoD 5000.52-M (Continued)

Series	Title
0434	PLANT PATHOLOGY
0435	PLANT PHYSIOLOGY
0436	PLANT PROTECTION AND QUARANTINE
0437	HORTICULTURE
0440	GENETICS
0454	RANGE CONSERVATION
0457	SOIL CONSERVATION
0460	FORESTRY
0470	SOIL SCIENCE
0471	AGRONOMY
0475	AGRICULTURAL MANAGEMENT
0486	WILDLIFE BIOLOGY
0487	ANIMAL SCIENCE
0501	FINANCIAL ADMINISTRATION AND PROGRAM
0505	FINANCIAL MANAGEMENT
0510	ACCOUNTING
0511	AUDITING
0560	BUDGET ANALYSIS
0660	PHARMACIST
0801	GENERAL ENGINEERING
0803	SAFETY ENGINEERING
0804	FIRE PREVENTION ENGINEERING
0805	ENGINEERING TECHNOLOGY
0806	MATERIALS ENGINEERING
0808	ARCHITECTURE
0809	CONSTRUCTION CONTROL
0810	CIVIL ENGINEERING
0819	ENVIRONMENTAL ENGINEERING
0828	CONSTRUCTION ANALYST
0830	MECHANICAL ENGINEERING
0840	NUCLEAR ENGINEERING
0850	ELECTRICAL ENGINEERING
0854	COMPUTER ENGINEERING
0855	ELECTRONICS ENGINEERING
0858	BIOMEDICAL ENGINEERING
0861	AEROSPACE ENGINEERING
0871	NAVAL ARCHITECTURE

Table C-1. Series Assumed To Be Acquisition Eligible on the Basis of Guidance in DoDI 5000.58 and DoD 5000.52-M (Continued)

Series	Title
0880	MINING ENGINEERING
0881	PETROLEUM ENGINEERING
0892	CERAMIC ENGINEERING
0893	CHEMICAL ENGINEERING
0894	WELDING ENGINEERING
0896	INDUSTRIAL ENGINEERING
1101	GENERAL BUSINESS AND INDUSTRY
1102	CONTRACTING
1103	INDUSTRIAL PROPERTY MANAGEMENT
1104	PROPERTY DISPOSAL
1105	PURCHASING
1106	PROCUREMENT CLERICAL AND ASSISTANCE
1130	PUBLIC UTILITIES SPECIALIST
1140	TRADE SPECIALIST
1144	COMMISSARY STORE MANAGEMENT
1145	AGRICULTURAL PROGRAM SPECIALIST
1146	AGRICULTURAL MARKETING
1147	AGRICULTURAL MARKET REPORTING
1150	INDUSTRIAL SPECIALIST
1152	PRODUCTION CONTROL
1160	FINANCIAL ANALYSIS
1170	REALTY
1171	APPRAISING AND ASSESSING
1301	GENERAL PHYSICAL SCIENCE
1306	HEALTH PHYSICS
1310	PHYSICS
1313	GEOPHYSICS
1315	HYDROLOGY
1320	CHEMISTRY
1321	METALLURGY
1330	ASTRONOMY AND SPACE SCIENCE
1340	METEOROLOGY
1350	GEOLOGY
1360	OCEANOGRAPHY
1361	NAVIGATIONAL INFORMATION
1370	CARTOGRAPHY
1372	GEODESY

Table C-1. Series Assumed To Be Acquisition Eligible on the Basis of Guidance in DoDI 5000.58 and DoD 5000.52-M (Continued)

Series	Title
1382	FOOD TECHNOLOGY
1384	TEXTILE TECHNOLOGY
1386	PHOTOGRAPHIC TECHNOLOGY
1510	ACTUARY
1515	OPERATIONS RESEARCH
1520	MATHEMATICS
1529	MATHEMATICAL STATISTICIAN
1530	STATISTICIAN
1540	CRYPTOGRAPHY
1541	CRYPTANALYSIS
1550	COMPUTER SCIENCE
1910	QUALITY ASSURANCE

Appendix D

ACQUISITION FUNCTIONS ASSUMED ON THE BASIS OF ARMY STANDARD WORK CENTER CODES

We assumed functions with the Army Standard Work Center Codes (SWCCs) listed in Table D-1 to be acquisition functions. The Army algorithm flagged positions as acquisition positions in the screening stage of the algorithm if a position had one of the codes in Table D-1 and one of the occupational series in Table C-1. In some SWCCs, the Army has designated some number of acquisition positions that are in a civilian occupational series that is acquisition eligible. We determined what percentage of the positions in a particular SWCC are so designated. If more than 50 percent are, we declared the SWCC to represent an acquisition function.

Table D-1. Assumed Acquisition Functions, on the Basis of Standard Work Center Codes

SWCC	Title
GAA	ACQUISITION MANAGEMENT STAFF
GBA	SOURCE SELECTION
GBB	CONTRACT PRICING AND COST ANALYSIS
GBC	CONTRACTING
GBD	CONTRACT ADMINISTRATION
GBE	PURCHASING
GBF	ACQUISITION MANAGEMENT OPERATIONS STAFF
GBY	ACQUISITION MANAGEMENT OPERATIONS (LIMITED STAFF)
GBZ	ACQUISITION MANAGEMENT OPERATIONS (OTHER)
GCA	CONTRACT SURVEILLANCE
GCB	ACQUISITION CAREER PROGRAM MANAGEMENT
GCC	ACQUISITION MANAGEMENT CONTROL
GCZ	ACQUISITION MANAGEMENT (OTHER)
GZY	ACQUISITION (LIMITED STAFF)
GZZ	ACQUISITION (OTHER)
SAA	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION STAFF
SAB	SCIENTIFIC AND TECHNICAL LIBRARY

Table D-1. Assumed Acquisition Functions, on the Basis of Standard Work Center Codes (Continued)

SWCC	Title
SAC	RESEARCH PROGRAMS AND OPERATIONS
SAD	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION OPERATIONS
SAY	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (LIMITED STAFF)
SAZ	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (OTHER)
SBA	RESEARCH STAFF
SCA	PHYSICAL SCIENCES RESEARCH (SCIENTIFIC STUDY)
SCB	PHYSICAL SCIENCES RESEARCH (TECHNICAL SUPPORT)
SCC	PHYSICAL SCIENCES RESEARCH MANAGEMENT STAFF
SCY	PHYSICAL SCIENCES RESEARCH ACTIVITIES (LIMITED STAFF)
SCZ	PHYSICAL SCIENCES RESEARCH ACTIVITIES (OTHER)
SDB	BIOLOGICAL RESEARCH (TECHNICAL SUPPORT)
SDC	BIOLOGICAL RESEARCH MANAGEMENT STAFF
SDY	BIOLOGICAL RESEARCH OPERATIONS (LIMITED STAFF)
SDZ	BIOLOGICAL RESEARCH OPERATIONS (OTHER)
SEA	BEHAVIORAL RESEARCH LABORATORY (SCIENTIFIC STUDY)
SEB	BEHAVIORAL RESEARCH FIELD STUDIES (SCIENTIFIC STUDY)
SEC	BEHAVIORAL RESEARCH (TECHNICAL SUPPORT)
SED	BEHAVIORAL RESEARCH MANAGEMENT STAFF
SEZ	BEHAVIORAL RESEARCH ACTIVITIES (OTHER)
SFA	RESEARCH PROGRAM MANAGEMENT STAFF
SFZ	RESEARCH PROGRAM MANAGEMENT (OTHER)
SGA	CONCEPTS ANALYSIS
SGB	RESEARCH OPERATIONS
SGY	RESEARCH (LIMITED STAFF)
SGZ	RESEARCH (OTHER)
SHA	DEVELOPMENT STAFF
SJA	DEVELOPMENT-MATERIEL SYSTEMS AND EQUIPMENT (ENGINEERING)
SJB	DEVELOPMENT-MATERIEL SYSTEMS AND EQUIPMENT (TECHNICIAN SUPPORT)
SJC	DEVELOPMENT-MATERIEL SYSTEMS AND EQUIPMENT STAFF
SJZ	DEVELOPMENT-MATERIEL SYSTEMS AND EQUIPMENT (OTHER)
SKA	DEVELOPMENT-DOCTRINE
SKB	DEVELOPMENT-OPERATIONS
SKZ	DEVELOPMENT (OTHER)
SLA	TEST AND EVALUATION STAFF
SLB	TEST ADMINISTRATION

Table D-1. Assumed Acquisition Functions, on the Basis of Standard Work Center Codes (Continued)

SWCC	Title
SLC	DEVELOPMENT TESTING
SLD	OPERATIONAL TESTING
SLE	TEST AND EVALUATION CONTROL
SLY	TEST AND EVALUATION (LIMITED STAFF)
SLZ	TEST AND EVALUATION (OTHER)
SMA	MEDICAL RESEARCH, DEVELOPMENT, TEST AND EVALUATION MANAGEMENT
SMZ	MEDICAL RESEARCH, DEVELOPMENT, TEST AND EVALUATION (OTHER)
SZY	RESEARCH AND DEVELOPMENT (LIMITED STAFF)
SZZ	RESEARCH AND DEVELOPMENT (OTHER)
VAA	MATERIEL ACQUISITION MANAGEMENT STAFF
VAB	MATERIEL ACQUISITION OPERATION
VAZ	MATERIEL ACQUISITION MANAGEMENT (OTHER)
VBA	PROGRAM MANAGEMENT OFFICE (PMO) PLANNING
VBB	MATERIEL FIELDING COORDINATION
VBC	PMO STAFF
VBY	PMO (LIMITED STAFF)
VBZ	PMO (OTHER)
VCA	PMO PROCUREMENT MANAGEMENT
VCB	PMO PRODUCTION MANAGEMENT
VCC	PMO PROCUREMENT AND PRODUCTION MANAGEMENT STAFF
VCZ	PMO PROCUREMENT/PRODUCTION MANAGEMENT (OTHER)
VDA	PRODUCT ENGINEERING MANAGEMENT
VDB	CONFIGURATION MANAGEMENT
VDC	SYSTEMS ENGINEERING MANAGEMENT STAFF
VDZ	SYSTEMS ENGINEERING MANAGEMENT (OTHER)
VEA	INTEGRATED LOGISTICS SUPPORT MANAGEMENT
VEB	PMO TEST AND EVALUATION MANAGEMENT
VEC	PRODUCT ASSURANCE
VED	PROGRAM, PROJECT, AND PRODUCT MANAGEMENT STAFF
VEY	PROGRAM/PROJECT/PRODUCT MANAGEMENT (LIMITED STAFF)
VEZ	PROGRAM/PROJECT/PRODUCT MANAGEMENT (OTHER)
VFA	MEDICAL ACQUISITION
VZY	MATERIEL ACQUISITION (LIMITED STAFF)
VZZ	MATERIEL ACQUISITION (OTHER)

Source: Department of the Army Pamphlet 570-5, *Army Functional Dictionary*, 4 December 1989.

Appendix E

ACQUISITION FUNCTIONS ASSUMED ON THE BASIS OF ORGANIZATION FUNCTION CODES FROM THE AIR FORCE MANPOWER SYSTEM

We assumed functions with the Air Force organization function codes listed in Table E-1, taken from the Air Force Manpower System, to be acquisition functions. The Air Force algorithm flagged positions as acquisition positions in the screening stage of the algorithm if a position had one of the organization function codes in Table E-1 and one of the occupational series in Table C-1. For some organization function codes, the Air Force has designated some number of acquisition positions that are in a civilian occupational series that is acquisition eligible. We determined what percentage of the positions in a particular organization function code are so designated. If more than 50 percent are, we declared the organization function code to represent an acquisition function.

Table E-1. Assumed Acquisition Functions, on the Basis of Organization Function Codes from the Air Force Manpower System

Code	Organization function code title
APR	AERIAL PT CONTRACTOR DATA MGMT
AQA	ACQUISITION LOG EXEC/STAFF ADM
AQB	ACQUISITION LOG PLANS/PRGSM
AQC	ACQUISITION LOG METHODS AND PROCEDURES DEV
AQD	ACQUISITION LOG PRGMS SURVL/INSPEC/EVAL
AQE	ACQUISITION LOG SELF-EVAL/INT AUD/QLTY C
AQF	ACQUISITION LOG FINANCIAL PLANNING
AQG	ACQUISITION LOG FAC PLN/EVAL/LAY/SP/UTIL
AQH	ACQUISITION LOG RESOURCE ANALYSIS/EVAL
AQJ	ACQUISITION LOG PUB PLN/DEV/CONTROL/APPL
AQK	ACQUISITION LOG INSTRUC/TNG/DEV/TEACH
AQM	ACQUISITION LOG EDP DESIGN/DEV/APPL/SIMU
AQN	ACQ LOG TECH ASSIST/CONSULTING
AQP	ACQUISITION LOG DATA ACQ/PROC/ANAL/REDUC
AQQ	ACQUISITION LOG SCIENTIFIC AND TECH INFO
AQR	ACQUISITION LOG CONTRACTOR DATA MGT

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
AQS	ACQUISITION LOG CONSTRUCTION
AQT	ACQUISITION LOG STANDARDS AND SPECS
AQU	ACQUISITION LOG DESIGN
AQV	ACQUISITION LOG PRODUCT ENGINEERING
AQW	ACQUISITION LOG EXPERIMENTAL ENGINEERING
AQX	ACQUISITION LOG PRODUC/MAINT/APPL ENG
AQY	ACQUISITION LOG
AQZ	ACQUISITION LOG PORT - CD REQ
AQ1	ACQUISITION LOG SYSTEMS ENGINEERING
AQ2	ACQUISITION LOG SYSTEMS MGT
AQ3	ACQUISITION LOG SYSTEMS/ANAL/INTEGRATION
AQ4	ACQUISITION LOG CONFIGURATION MGT
AQ5	ACQUISITION LOG TEST/EVAL
AQ6	ACQUISITION LOG FLIGHT TEST
AQ7	ACQUISITION LOG RESEARCH BASIC AND APPL
AQ8	ACQUISITION LOG RSCH CONTR GRANT ADMIN
CCB	PLANNING BD PLANS/PROGRAMS
CD5	INTELIGENCE TEST/EVALUATION
CHR	AUD GEN CONTRACTOR DATA MGMT
CJA	MATERIEL EXECUTIVE/STAFF ADMINISTRATION
CME	COMM SELF-EVAL/INTERNAL AUDIT/QUAL CONTROL
CPF	COMPT FINANCIAL PLANNING
CPH	COMPT RESOURCE ANALYSIS/EVALUATION
CPN	COMPT TECH ASSISTANCE/CONSULTING
CPU	COMPT DESIGN
CPX	COMPT PRODUCTION/MAINTENANCE/APPL/ENGRNG
CP2	COMPT SYSTEMS MANAGEMENT
CRA	CONTR REL EXECUTIVE/STAFF ADMINISTRATION
CRB	CONTR REL PLANS/PROGRMAS
CRC	CONTR REL METHODS & PROCEDURES DEV
CRD	CONTR REL PROGRAMS SURVEILLANCE/INSPECTION/EVAL
CRE	CONTR REL SELF-EVAL/INTERNAL AUDIT/QUAL CONTROL
CRF	CONTR REL FINANCIAL PLANNING
CRJ	CONTR REL PUBLICATIONS PLAN/DEV/CONTROL/APPL
CRK	CONTR REL INSTRUC/TRAINING/DEV/TEACH
CRL	CONTR REL ADMINISTRATIVE SUPPORT

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
CRM	CONTR REL EDP DESIGN/DEV/APPL/SIMULATION
CRN	CONTR REL TECH ASSISTANCE/CONSULTING
CRP	CONTR REL DATA ACQUISITION/PROCESSING/ANAL/REDUC
CRQ	CONTR REL SCIENTIFIC & TECHNICAL INFO
CRR	CONTR REL CONTRACTOR DATA MGMT
CRS	CONTR REL CONSTRUCTION
CRT	CONTR REL STANDARDS & SPECIFICATIONS
CRU	CONTR REL DESIGN
CRV	CONTR REL PRODUCT ENGINEERING
CRW	CONTR REL EXPERIMENTAL ENGINEERING
CRY	CONTR REL
CRZ	CONTRACTURAL RELATION-CD REQ
CR1	CONTR REL SYSTEMS ENGINEERING
CR2	CONTR REL SYSTEMS MANAGEMENT
CR3	CONTR REL SYSTEMS/ANALYSIS/INTEGRATION
CR4	CONTR REL CONFIGURATION MGMT
CR5	CONTR REL TEST/EVALUATION
CR6	CONTR REL FLIGHT TEST
CR7	CONTR REL RESEARCH BASIC AND APPL
CR8	CONTR REL RESEARCH CONTR GRANT ADMINISTRATION
CSN	COMD & STF TECH ASSISTANCE/CONSULTING
CS2	COMD & STF SYSTEMS MANAGEMENT
CS7	COMD & STF RESEARCH BASIC AND APPL
DAU	STU & ANAL DESIGN
DAV	STU & ANAL PRODUCT ENGINEERING
DA1	STU & ANAL SYSTEMS ENGINEERING
DA2	STU & ANAL SYSTEMS MANAGEMENT
DA3	STU & ANAL SYSTEMS ANALYSIS/INTEGRATION
DBH	SCI ADV BD RESOURCE ANALYSIS/EVALUATION
DB1	SCI ADV BD SYSTEMS ENGINEERING
DCB	PRGM & RES PLANS/PROGRAMS
DCD	PRGM & RES PROGRAMS SURVEILLANCE/INSPECTION/EVAL
DCF	PRGM & RES FINANCIAL PLANNING
DCR	PRGM & RES CONTRACTOR DATA MGMT
DDF	PLNS & OPS FINANCIAL PLANNING
DEA	RSCH & DEV EXECUTIVE/STAFF ADMINISTRATION

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
DEB	RSCH & DEV PLANS/PROGRAMS
DEC	RSCH & DEV METHODS & PROCEDURES DEV
DED	RSCH & DEV PROGRAMS SURVEILLANCE/INSPECTION/EVAL
DEF	RSCH & DEV FINANCIAL PLANNING
DEG	RSCH & DEV FACILITIES PLAN/EVAL/LAYOUT/SPACE/UTIL
DEH	RSCH & DEV RESOURCE ANALYSIS/EVALUATION
DEJ	RSCH & DEV PUBLICATIONS PLAN/DEV/CONTROL/APPL
DEL	RSCH & DEV ADMINISTRATIVE SUPPORT
DEM	RSCH & DEV EDP DESIGN/DEV/APPL/SIMULATION
DEN	RSCH & DEV TECH ASSISTANCE/CONSULTING
DEP	RSCH & DEV DATA ACQUISITION/PROCESSING/ANAL/REDUC
DER	RSCH & DEV CONTRACTOR DATA MGMT
DES	RSCH & DEV CONSTRUCTION
DET	RSCH & DEV STANDARDS & SPECIFICATIONS
DEU	RSCH & DEV DESIGN
DEV	RSCH & DEV PRODUCT ENGINEERING
DEW	RSCH & DEV EXPERIMENTAL ENGINEERING
DEX	RSCH & DEV PRODUCTION/MAINTENANCE/APPL/ENGRNG
DEY	RSCH & DEV
DEZ	RESEARCH & DEVELOPMENT-CD REQ
DE1	RSCH & DEV SYSTEMS ENGINEERING
DE2	RSCH & DEV SYSTEMS MANAGEMENT
DE3	RSCH & DEV SYSTEMS ANALYSIS/INTEGRATION
DE4	RSCH & DEV CONFIGURATION MGMT
DE5	RSCH & DEV TEST/EVALUATION
DE6	RSCH & DEV FLIGHT TEST
DE7	RSCH & DEV RESEARCH BASIC & APPL
DE8	RSCH & DEV RESEARCH CONTR GRANT ADMINISTRATION
DFP	SYS & LOG DATA ACQUISITION/PROCESSING/ANAL/REDUC
DF8	SYS & LOG RESEARCH CONTR GRANT ADMINISTRATION
DPC	DATA PROC METHODS & PROCEDURES DEV
DPH	DATA PROC RESOURCE ANALYSIS/EVALUATION
DPW	DATA PROC EXPERIMENTAL ENGINEERING
DTC	DISTR METHODS & PROCEDURES DEV
DTM	DISTR EDP DESIGN/DEV/APPL/SIMULATION
DT1	DISTR SYSTEMS ENGINEERING

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
DT3	DISTR SYSTEMS/ANALYSIS/INTEGRATION
EC5	CIVIL ENG TEST/EVALUATION
MAC	MAINT METHODS & PROCEDURES DEV
MAQ	MAINT SCIENTIFIC & TECH INFO
MAS	MAINT CONSTRUCTION
MAU	MAINT DESIGN
MA2	MAINT SYSTEMS MANAGEMENT
MA4	MAINT CONFIGURATION MGMT
MMA	MAT MGT EXECUTIVE/STAFF ADMINISTRATION
MMD	MAT MGT PROGRAMS SURVEILLANCE/INSPECTION-EVAL
MME	MAT MGT SELF-EVAL/INTERNAL AUDIT/QUAL CONTROL
MMF	MAT MGT FINANCIAL PLANNING
MMG	MAT MGT FACILITIES PLAN/EVAL/LAYOUT/SPACE/UTIL
MMM	MAT MGT EDP DESIGN/DEV/APPL/SIMULATION
MMN	MAT MGT TECH ASSISTANCE/CONSULTING
MMP	MAT MGT DATA ACQUISITION/PROCESSING/ANAL/REDUC
MMQ	MAT MGT SCIENTIFIC & TECHNICAL INFO
MMR	MAT MGT CONTRACTOR DATA MGMT
MMU	MAT MGT DESIGN
MMV	MAT MGT PRODUCT ENGINEERING
MMX	MAT MGT PRODUCTION/MAINTENANCE/APPL/ENGRNG
MMY	MAT MGT
MM1	MAT MGT SYSTEMS ENGINEERING
MM2	MAT MGT SYSTEMS MANAGEMENT
MM3	MAT MGT SYSTEMS/ANALYSIS/INTEGRATION
MM5	MAT MGT TEST EVALUATION
OPH	OPERATIONS RESOURCE ANALYSIS/EVALUATION
OP1	OPERATIONS SYSTEMS ENGINEERING
PBA	PROCURMNT EXECUTIVE/STAFF ADMINISTRATION
PBB	PROCURMNT PLANS/PROGRAMS
PBC	PROCURMNT METHODS & PROCEDURES DEV
PBD	PROCURMNT PROGRAMS SURVEILLANCE/INSPECTION/EVAL
PBE	PROCURMNT SELF-EVAL/INTERNAL AUDIT/QUAL CONTROL
PBF	PROCURMNT FINANCIAL PLANNING
PBG	PROCURMNT FACILITIES PLAN/EVAL/LAYOUT/SPACE/UTIL
PBH	PROCURMNT RESOURCE ANALYSIS/EVALUATION

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
PBJ	PROCURMNT PUBLICATIONS PLAN/DEV/CONTROL/APPL
PBK	PROCURMNT INSTRUC/TRAINING/DEV/TEACH
PBL	PROCURMNT ADMINISTRATIVE SUPPORT
PBM	PROCURMNT EDP DESIGN/DEV/APPL/SIMULATION
PBN	PROCURMNT TECH ASSISTANCE/CONSULTING
PBP	PROCURMNT DATA ACQUISITION/PROCESSING/ANAL/REDUC
PBQ	PROCURMNT SCIENTIFIC & TECHNICAL INFO
PBR	PROCURMNT CONTRACTOR DATA MGMT
PBS	PROCURMNT CONSTRUCTION
PBT	PROCURMNT STANDARDS & SPECIFICATIONS
PBU	PROCURMNT DESIGN
PBV	PROCURMNT PRODUCT ENGINEERING
PBW	PROCURMNT EXPERIMENTAL ENGINEERING
PBX	PROCURMNT PRODUCTION/MAINTENANCE/APPL/ENGRNG
PBY	PROCURMNT
PBZ	PROCUREMENT-CD REQ
PB1	PROCURMNT SYSTEMS ENGINEERING
PB2	PROCURMNT SYSTEMS MANAGEMENT
PB3	PROCURMNT SYSTEMS/ANALYSIS/INTEGRATION
PB4	PROCURMNT CONFIGURATION MGMT
PB5	PROCURMNT TEST EVALUATION
PB6	PROCURMNT FLIGHT TEST
PB7	PROCURMNT RESEARCH BASIC AND APPL
PB8	PROCURMNT RESEARCH CONTR GRANT ADMINISTRATION
PPG	PLNS & PRG FACILITIES PLAN/EVAL/LAYOUT/SPACE/UTIL
PPH	PLNS & PRG RESOURCE ANALYSIS/EVALUATION
SBA	SMALL BUS EXECUTIVE/STAFF ADMINISTRATION
SBL	SMALL BUS ADMINISTRATIVE SUPPORT
SBY	SMALL BUS
SEU	SVC ENG DESIGN
SE1	SVC ENG SYSTEMS ENGINEERING
SE3	SVC ENG SYSTEMS/ANALYSIS/INTEGRATION
SE5	SVC ENG TEST EVALUATION
SF1	SAFETY SYSTEMS ENGINEERING
SF2	SAFETY SYSTEMS MANAGEMENT
SF3	SAFETY SYSTEMS/ANALYSIS/INTEGRATION

Acquisition Functions Assumed on the Basis of Codes from USAF Manpower System

*Table E-1. Assumed Acquisition Functions, on the Basis of
Organization Function Codes from the Air Force Manpower System
(Continued)*

Code	Organization function code title
TAR	TRANSPORT CONTRACTOR DATA MGMT
TT6	TECH TNG FLIGHT TEST

Appendix F

SUMMARY DATA FROM THE ARMY ALGORITHM RESULTS

This appendix contains summary data from the results of the Army algorithm. Table F-1 summarizes the results by major command. An Army-wide summary of results by occupational series is in Table F-2.

The following are explanations of what each data column heading in the Tables F-1 and F-2 means:

- ◆ *Major command:* the two-character major Army command code followed by the name of the command or activity.
- ◆ *Occupational series:* the civilian occupational series of the positions.
- ◆ *Total positions:* the total number of positions in the listed command or the listed occupational series.¹
- ◆ *Army-designated acquisition positions:* the number of positions that the input data indicated were designated as acquisition positions by the Army.
- ◆ *First stage of algorithm:* results of the screening process of the algorithm. Positions in the uncertain category of this stage are processed by the second stage (scoring, ranking, and cluster analysis) of the algorithm. The subheadings are as follows:
 - ◆ *Acquisition position and designated*—the screening process criteria for classifying the position as acquisition were met, and the Army had designated the position as an acquisition position.
 - ◆ *Possible error of omission*—the screening process criteria for classifying the position as acquisition were met, but the Army had not designated the position as an acquisition position.
 - ◆ *Uncertain designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, but the Army had designated the position as an acquisition position.

¹ All column headings apply to either the total for the command or for the occupational series listed in the respective tables.

- ◆ *Uncertain not designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, and the Army had not designated the position as an acquisition position.
- ◆ *Possible error of commission*—the screening process criteria for classifying the position as nonacquisition were met, but the Army had designated the position as an acquisition position.
- ◆ *Nonacquisition and not designated*—the screening process criteria for classifying the position as nonacquisition were met, and the Army had not designated the position as an acquisition position.
- ◆ *Second stage of algorithm—cumulative results*: The column subheadings are the same as described above. The numbers in these columns are the result of adding to the numbers from the first stage results, the results of the second stage of the algorithm as applied to the first stage uncertain positions. The numbers of positions reflected in the “uncertain designated” and “uncertain not designated” columns are the remaining numbers of positions that the algorithm could classify as neither acquisition or nonacquisition.

Table F-1. Summary of Army Algorithm Results by Major Command

				First stage of			
Major command		Total positions	Army-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Un des
AE	PROGRAM EXECUTIVE OFFICES	2300	1599	1481	69	93	
AS	US ARMY INTELLIGENCE AND SECURITY	1957	37	31	8	6	
AU	US ARMY AUDIT AGENCY	715	0	0	0	0	
CB	US ARMY CRIMINAL INVESTIGATION COMMAND	416	5	0	0	4	
CE	US ARMY CORPS OF ENGINEERS (EXC CIV PRGM)	41340	2098	1176	137	905	
CS	US ARMY CHIEF OF STAFF	805	10	3	2	7	
CZ	US ARMY INFORMATION SYSTEMS COMMAND	6228	302	170	26	128	
E1	US ARMY EUROPE AND 7TH ARMY	1781	108	107	1	0	
E2	21ST SUPPORT COMMAND	745	8	6	0	2	
E3	US ARMY SOUTHERN EUROPEAN TASK FORCE	218	1	1	0	0	
E5	US ARMY V CORPS	3485	11	10	0	0	
E6	32ND ARMY AIR DEFENSE COMMAND	22	0	0	0	0	
E8	7TH MEDICAL COMMAND EUROPE	784	0	0	0	0	
E9	4TH TRANSPORTATION BRIGADE	1	0	0	0	0	
EB	1ST PERSONNEL COMMAND	532	0	0	0	0	
ED	US MILITARY COMMUNITY ACTIVITY	1118	5	5	1	0	
EF	US ARMY SPECIAL FORCES EUROPE (USAREUR)	2	0	0	0	0	
EN	SEVENTH ARMY TRAINING COMMAND	799	3	2	0	1	
FC	US ARMY FORCES COMMAND	30391	598	591	111	5	
GB	ARMY NATIONAL GUARD (TITLE 5)	391	37	13	1	24	
HS	US ARMY HEALTH SERVICES COMMAND	856	0	0	0	0	
J1	US ARMY ELEMENT SHAPE	68	0	0	0	0	
JA	JOINT ACTIVITIES	1119	18	15	0	3	
MA	US MILITARY ACADEMY	2242	53	53	6	0	
MC	US ARMY MEDICAL COMMAND	28123	652	531	95	95	
MD	OFFICE OF THE SURGEON GENERAL	4	0	0	0	0	
MP	US ARMY MILITARY PERSONNEL CENTER	1382	2	1	0	1	
MT	MILITARY TRAFFIC MANAGEMENT COMMAND	2816	95	83	20	5	
MW	US ARMY MILITARY DISTRICT OF WASHINGTON	4028	118	112	11	2	
P1	US ARMY PACIFIC	4318	78	75	20	3	
P8	EIGHTH US ARMY	1139	54	46	2	7	
PC	MILITARY ENTRANCE PROCESSING COMMAND	953	6	6	0	0	
RC	US ARMY RECRUITING COMMAND	1115	6	6	0	0	
SA	OFFICE OF THE SECRETARY OF THE ARMY	611	60	15	66	45	
SB	FIELD OPERATING OFFICES OF THE SECRETARY	686	143	105	18	38	
SC	US ARMY BALLISTICS MISSILE DEFENSE	1137	662	527	13	132	
SE	HQDA STAFF FIELD OPERATING AGENCIES	3316	124	102	26	22	
SF	FLD OPERATING AGENCIES OF THE OSA & ARMY	1940	186	154	357	23	
SJ	JOINT SVCS & DOD ACTIVITIES SUPPORTED BY	1062	126	126	20	0	
SP	US SPECIAL OPERATIONS COMMAND (ARMY)	1044	32	32	0	0	
SS	STAFF SUPPORT AGENCIES OF HQDA	217	7	3	0	4	
SU	US ARMY SOUTHERN COMMAND	2141	43	42	5	0	
TC	US ARMY TRAINING AND DOCTRINE COMMAND	23897	567	530	106	35	
X2	HQ US ARMY MATERIEL COMMAND	881	241	150	36	91	
X3	AMC HQ STAFF SUPPORT ACTIVITIES	117	6	6	0	0	
X4	AMC TRAINING ACTIVITIES	132	35	8	0	27	
X5	AMC ALL OTHERS	501	325	305	13	20	

	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
39	1481	69	93	13	25	619	1574	77	0	5	25	
37	31	8	6	511	0	1401	32	8	4	0	1	
0	0	0	0	618	0	97	0	0	0	0	0	
5	0	0	4	75	1	336	0	0	2	0	3	
38	1176	137	905	15906	17	23199	1177	137	89	15	832	
10	3	2	7	390	0	403	3	2	1	0	6	
32	170	26	128	3354	4	2546	171	27	17	9	114	
38	107	1	0	491	1	1181	107	1	0	1	1	
8	6	0	2	232	0	505	6	0	0	0	2	
1	1	0	0	46	0	171	1	0	0	0	0	
11	10	0	0	449	1	3025	10	0	0	0	1	
0	0	0	0	7	0	15	0	0	0	0	0	
0	0	0	0	52	0	732	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	28	0	504	0	0	0	0	0	
5	5	1	0	124	0	988	5	1	0	0	0	
0	0	0	0	1	0	1	0	0	0	0	0	
3	2	0	1	142	0	654	2	0	1	0	0	
38	591	111	5	4880	2	24802	592	111	2	0	4	
37	13	1	24	156	0	197	15	1	14	8	8	
0	0	0	0	57	0	799	0	0	0	0	0	
0	0	0	0	10	0	58	0	0	0	0	0	
8	15	0	3	287	0	814	15	0	0	0	3	
33	53	6	0	282	0	1901	53	6	0	0	0	
32	531	95	95	2446	26	24930	550	95	59	65	43	
0	0	0	0	2	0	2	0	0	0	0	0	
2	1	0	1	184	0	1196	1	0	0	0	1	
5	83	20	5	634	7	2067	83	20	2	0	10	
8	112	11	2	591	4	3308	112	11	0	0	6	
8	75	20	3	764	0	3456	77	20	0	0	1	
4	46	2	7	390	1	693	46	2	4	1	4	
6	6	0	0	104	0	843	6	0	0	0	0	
6	6	0	0	151	0	958	6	0	0	0	0	
0	15	66	45	292	0	193	19	66	7	2	34	
3	105	18	38	131	0	394	139	21	4	4	0	
2	527	13	132	143	3	319	646	20	13	58	3	
4	102	26	22	1355	0	1811	106	26	9	1	9	
6	154	357	23	340	9	1057	154	357	17	6	15	
6	126	20	0	261	0	655	126	20	0	0	0	
2	32	0	0	271	0	741	32	0	0	0	0	
7	3	0	4	135	0	75	5	0	1	0	1	
3	42	5	0	259	1	1834	42	5	0	0	1	
7	530	106	35	4234	2	18990	537	106	4	3	26	
1	150	36	91	278	0	326	184	38	32	18	25	
6	6	0	0	50	0	61	6	0	0	0	0	
5	8	0	27	54	0	43	25	1	7	7	3	
5	305	13	20	84	0	79	324	14	1	4	0	

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
619	1574	77	0	5	25	619
1401	32	8	4	0	1	1912
97	0	0	0	0	0	715
336	0	0	2	0	3	411
23199	1177	137	89	15	832	39090
403	3	2	1	0	6	793
2546	171	27	17	9	114	5890
1181	107	1	0	1	1	1671
505	6	0	0	0	2	737
171	1	0	0	0	0	217
3025	10	0	0	0	1	3474
15	0	0	0	0	0	22
732	0	0	0	0	0	784
1	0	0	0	0	0	1
504	0	0	0	0	0	532
988	5	1	0	0	0	1112
1	0	0	0	0	0	2
654	2	0	1	0	0	796
24802	592	111	2	0	4	29682
197	15	1	14	8	8	345
799	0	0	0	0	0	856
58	0	0	0	0	0	68
814	15	0	0	0	3	1101
1901	53	6	0	0	0	2183
24930	550	95	59	65	43	27311
2	0	0	0	0	0	4
1196	1	0	0	0	1	1380
2067	83	20	2	0	10	2701
3308	112	11	0	0	6	3899
3456	77	20	0	0	1	4220
693	46	2	4	1	4	1082
843	6	0	0	0	0	947
958	6	0	0	0	0	1109
193	19	66	7	2	34	483
394	139	21	4	4	0	518
319	646	20	13	58	3	397
1811	106	26	9	1	9	3165
1057	154	357	17	6	15	1391
655	126	20	0	0	0	916
741	32	0	0	0	0	1012
75	5	0	1	0	1	210
1834	42	5	0	0	1	2093
18990	537	106	4	3	26	23221
326	184	38	32	18	25	584
61	6	0	0	0	0	111
43	25	1	7	7	3	89
79	324	14	1	4	0	158

Table F-1. Summary of Army Algorithm Results by Major Command

		Total positions	Army-designated acquisition positions	First stage of			
Major command				Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain designated
X6	US ARMY MISSILE COMMAND	5691	2052	1768	294	280	
X7	US ARMY TANK AUTOMOTIVE COMMAND	9458	4310	3217	148	1063	
X8	US ARMY COMMUNICATIONS ELECTRONICS	6544	3025	1632	118	1343	
X9	US ARMY SIMULATION TRNG & INSTRUCTION	42	31	30	0	0	
XA	US ARMY ARMAMENT RESEARCH AND	1991	801	520	22	277	
XB	US ARMY AVIATION AND TROOP COMMAND	4511	1633	1253	53	369	
XD	US ARMY RESEARCH LABORATORY (ARL)	3009	1616	921	149	690	
XK	US ARMY MATERIEL ACQUISITION ACTIVITIES	242	92	17	2	75	
XL	US ARMY MATERIEL ACQUISITION PROJECT	28	5	5	2	0	
XM	US ARMY TEST AND EVALUATION COMMAND	6820	1420	1317	172	100	
XP	US ARMY SECURITY ASSISTANCE CENTER	465	6	0	0	6	
XQ	US ARMY ARMAMENT MUNITIONS & CHEMICAL	7371	738	424	422	302	
XT	US ARMY MISSILE MATERIAL READINESS CMD	238	0	0	0	0	
XW	US ARMY DEPOT SYSTEMS COMMAND	17270	708	243	29	400	
XX	MATERIAL READINESS ACTIVITIES	2242	157	108	27	47	
XY	MATERIAL READINESS PROJECT MANAGERS	3	0	0	0	0	
	Unknown	15	1	1	0	0	
Total for Army		245815	25056	18085	2608	6680	

	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
52	1768	294	280	1097	4	2248	1995	328	41	84	16	
10	3217	148	1063	990	30	4010	4068	213	202	225	40	
25	1632	118	1343	854	50	2547	2665	151	299	278	61	
31	30	0	0	0	1	11	30	0	0	0	1	
11	520	22	277	255	4	913	772	24	22	128	7	
33	1253	53	369	650	11	2175	1610	69	12	52	11	
6	921	149	690	290	5	954	1583	204	19	50	14	
12	17	2	75	36	0	112	89	4	2	8	1	
5	5	2	0	16	0	5	5	2	0	0	0	
10	1317	172	100	874	3	4354	1393	180	22	87	5	
6	0	0	6	191	0	268	0	0	0	0	6	
38	424	422	302	1279	12	4932	475	422	206	72	57	
0	0	0	0	1	0	237	0	0	0	0	0	
18	243	29	400	2009	65	14524	349	33	256	95	103	
17	108	27	47	911	2	1147	113	28	35	43	9	
0	0	0	0	1	0	2	0	0	0	0	0	
1	1	0	0	5	0	9	1	0	0	0	0	
6	18085	2608	6680	50723	291	167428	22137	2851	1406	1329	1513	

Second stage of algorithm—cumulative results

Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
2248	1995	328	41	84	16	3227
4010	4068	213	202	225	40	4710
2547	2665	151	299	278	61	3090
11	30	0	0	0	1	11
913	772	24	22	128	7	1038
2175	1610	69	12	52	11	2757
954	1583	204	19	50	14	1139
112	89	4	2	8	1	138
5	5	2	0	0	0	21
4354	1393	180	22	87	5	5133
268	0	0	0	0	6	459
4932	475	422	206	72	57	6139
237	0	0	0	0	0	238
14524	349	33	256	95	103	16434
1147	113	28	35	43	9	2014
2	0	0	0	0	0	3
9	1	0	0	0	0	14
167428	22137	2851	1406	1329	1513	216579

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
0006 CORRECTIONAL INSTITUTION ADMINISTRATION	4	0	0	0	0
0018 * SAFETY AND OCCUPATIONAL HEALTH	713	4	0	12	0
0019 SAFETY TECHNICIAN	75	0	0	0	0
0020 COMMUNITY PLANNING	81	0	0	0	0
0021 COMMUNITY PLANNING TECHNICIAN	7	0	0	0	0
0023 OUTDOOR RECREATION PLANNING	87	0	0	0	0
0025 PARK RANGER	2137	0	0	0	0
0028 * ENVIRONMENTAL PROTECTION SPECIALIST	614	3	0	4	0
0029 ENVIRONMENTAL PROTECTION ASSISTANT	82	0	0	0	0
0030 SPORTS SPECIALIST	339	0	0	0	0
0050 FUNERAL DIRECTING	14	0	0	0	0
0060 CHAPLAIN	4	0	0	0	0
0062 CLOTHING DESIGN	12	0	0	0	0
0072 FINGERPRINT IDENTIFICATION	2	0	0	0	0
0080 SECURITY ADMINISTRATION	1172	1	0	0	0
0081 FIRE PROTECTION AND PREVENTION	2524	0	0	0	0
0083 POLICE	648	0	0	0	0
0085 SECURITY GUARD	1622	0	0	0	0
0086 SECURITY CLERICAL AND ASSISTANCE	339	0	0	0	0
0090 GUIDE	25	0	0	0	0
0099 GENERAL STUDENT TRAINEE	172	0	0	0	0
0101 SOCIAL SCIENCE	794	1	0	0	0
0102 SOCIAL SCIENCE AID AND TECHNICIAN	15	0	0	0	0
0110 * ECONOMIST	287	4	1	0	0
0119 ECONOMICS ASSISTANT	9	0	0	0	0
0130 FOREIGN AFFAIRS	5	0	0	0	0
0131 INTERNATIONAL RELATIONS	17	0	0	0	0
0132 INTELLIGENCE	1230	0	0	0	0
0134 INTELLIGENCE AID AND CLERK	130	1	0	0	0
0150 GEOGRAPHY	46	1	0	0	0
0160 CIVIL RIGHTS ANALYSIS	1	0	0	0	0
0170 HISTORY	177	0	0	0	0
0180 * PSYCHOLOGY	584	130	38	10	92
0181 PSYCHOLOGY AID AND TECHNICIAN	28	0	0	0	0
0184 SOCIOLOGY	12	0	0	0	0
0185 SOCIAL WORK	369	0	0	0	0
0186 SOCIAL SERVICES AID AND ASSISTANT	315	0	0	0	0
0187 SOCIAL SERVICES	342	0	0	0	0
0188 RECREATION SPECIALIST	396	1	0	0	0
0189 RECREATION AID AND ASSISTANT	1018	3	0	0	0
0190 GENERAL ANTHROPOLOGY	17	3	0	0	0
0193 ARCHEOLOGY	121	0	0	0	0
0199 SOCIAL SCIENCE STUDENT TRAINEE	19	0	0	0	0
0201 PERSONNEL MANAGEMENT	1305	1	0	0	0
0203 PERSONNEL CLERICAL AND ASSISTANCE	1687	0	0	0	0
0204 MILITARY PERSONNEL CLERICAL AND	4039	0	0	0	0
0205 MILITARY PERSONNEL MANAGEMENT	699	0	0	0	0
0212 PERSONNEL STAFFING	470	0	0	0	0
0221 POSITION CLASSIFICATION	334	0	0	0	0
0222 OCCUPATIONAL ANALYSIS	15	0	0	0	0
0223 SALARY AND WAGE ADMINISTRATION	1	0	0	0	0
0230 EMPLOYEE RELATIONS	278	0	0	0	0
0233 LABOR RELATIONS	100	0	0	0	0
0235 EMPLOYEE DEVELOPMENT	249	0	0	0	0

s	Army-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error commission
4	0	0	0	0	0	0	4	0	0	0	0	0
3	4	0	12	4	697	0	0	0	12	2	7	0
5	0	0	0	0	0	0	75	0	0	0	0	0
1	0	0	0	0	0	0	81	0	0	0	0	0
7	0	0	0	0	0	0	7	0	0	0	0	0
7	0	0	0	0	0	0	87	0	0	0	0	0
7	0	0	0	0	0	0	2137	0	0	0	0	0
4	3	0	4	3	607	0	0	1	4	2	2	0
2	0	0	0	0	0	0	82	0	0	0	0	0
9	0	0	0	0	0	0	339	0	0	0	0	0
4	0	0	0	0	0	0	14	0	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
2	0	0	0	0	0	0	12	0	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0	0
2	1	0	0	0	0	1	1171	0	0	0	0	0
4	0	0	0	0	0	0	2524	0	0	0	0	0
8	0	0	0	0	0	0	648	0	0	0	0	0
2	0	0	0	0	0	0	1622	0	0	0	0	0
9	0	0	0	0	0	0	339	0	0	0	0	0
5	0	0	0	0	0	0	25	0	0	0	0	0
2	0	0	0	0	0	0	172	0	0	0	0	0
4	1	0	0	0	0	1	793	0	0	0	0	0
5	0	0	0	0	0	0	15	0	0	0	0	0
7	4	1	0	3	283	0	0	4	0	0	0	0
9	0	0	0	0	0	0	9	0	0	0	0	0
5	0	0	0	0	0	0	5	0	0	0	0	0
7	0	0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	0	0	1230	0	0	0	0	0
0	1	0	0	0	0	1	129	0	0	0	0	0
6	1	0	0	0	0	1	45	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
7	0	0	0	0	0	0	177	0	0	0	0	0
4	130	38	10	92	444	0	0	122	10	1	1	0
3	0	0	0	0	0	0	28	0	0	0	0	0
2	0	0	0	0	0	0	12	0	0	0	0	0
3	0	0	0	0	0	0	369	0	0	0	0	0
5	0	0	0	0	0	0	315	0	0	0	0	0
2	0	0	0	0	0	0	342	0	0	0	0	0
3	1	0	0	0	0	1	395	0	0	0	0	0
3	3	0	0	0	0	3	1015	0	0	0	0	0
7	3	0	0	0	0	3	14	0	0	0	0	0
1	0	0	0	0	0	0	121	0	0	0	0	0
3	0	0	0	0	0	0	19	0	0	0	0	0
5	1	0	0	0	0	1	1304	0	0	0	0	0
7	0	0	0	0	0	0	1687	0	0	0	0	0
3	0	0	0	0	0	0	4039	0	0	0	0	0
3	0	0	0	0	0	0	699	0	0	0	0	0
0	0	0	0	0	0	0	470	0	0	0	0	0
4	0	0	0	0	0	0	334	0	0	0	0	0
5	0	0	0	0	0	0	15	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
3	0	0	0	0	0	0	278	0	0	0	0	0
0	0	0	0	0	0	0	100	0	0	0	0	0
3	0	0	0	0	0	0	249	0	0	0	0	0

Second stage of algorithm—cumulative results						
Acquisition and not esignated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
4	0	0	0	0	0	4
0	0	12	2	7	2	690
75	0	0	0	0	0	75
81	0	0	0	0	0	81
7	0	0	0	0	0	7
87	0	0	0	0	0	87
2137	0	0	0	0	0	2137
0	1	4	2	2	0	605
82	0	0	0	0	0	82
339	0	0	0	0	0	339
14	0	0	0	0	0	14
4	0	0	0	0	0	4
12	0	0	0	0	0	12
2	0	0	0	0	0	2
1171	0	0	0	0	1	1171
2524	0	0	0	0	0	2524
648	0	0	0	0	0	648
1622	0	0	0	0	0	1622
339	0	0	0	0	0	339
25	0	0	0	0	0	25
172	0	0	0	0	0	172
793	0	0	0	0	1	793
15	0	0	0	0	0	15
0	4	0	0	0	0	283
9	0	0	0	0	0	9
5	0	0	0	0	0	5
17	0	0	0	0	0	17
1230	0	0	0	0	0	1230
129	0	0	0	0	1	129
45	0	0	0	0	1	45
1	0	0	0	0	0	1
177	0	0	0	0	0	177
0	122	10	1	1	7	443
28	0	0	0	0	0	28
12	0	0	0	0	0	12
369	0	0	0	0	0	369
315	0	0	0	0	0	315
342	0	0	0	0	0	342
395	0	0	0	0	1	395
1015	0	0	0	0	3	1015
14	0	0	0	0	3	14
121	0	0	0	0	0	121
19	0	0	0	0	0	19
1304	0	0	0	0	1	1304
1687	0	0	0	0	0	1687
4039	0	0	0	0	0	4039
699	0	0	0	0	0	699
470	0	0	0	0	0	470
334	0	0	0	0	0	334
15	0	0	0	0	0	15
1	0	0	0	0	0	1
278	0	0	0	0	0	278
100	0	0	0	0	0	100
249	0	0	0	0	0	249

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designate
0246 CONTRACTOR INDUSTRIAL RELATIONS	21	1	0	0	
0260 EQUAL EMPLOYMENT OPPORTUNITY	404	0	0	0	
0299 PERSONNEL MANAGEMENT STUDENT TRAINEE	28	0	0	0	
0301 * MISCELLANEOUS ADMINISTRATION & PROGRAM	7079	431	218	378	21
0302 MESSENGER	22	0	0	0	
0303 MISCELLANEOUS CLERK & ASSISTANT	10009	10	0	0	
0304 INFORMATION RECEPTIONIST	106	0	0	0	
0305 MAIL AND FILE	1804	1	0	0	
0309 CORRESPONDENCE CLERK	33	0	0	0	
0312 CLERK-STENOGRAPHER AND REPORTER	78	0	0	0	
0313 WORK UNIT SUPERVISING	12	0	0	0	
0318 SECRETARY	13193	5	0	0	
0319 CLOSED MICROPHONE REPORTING	29	0	0	0	
0322 CLERK-TYPIST	565	0	0	0	
0326 OFFICE AUTOMATION CLERICAL AND	4218	3	0	0	
0332 COMPUTER OPERATION	832	0	0	0	
0334 * COMPUTER SPECIALIST	6773	203	79	243	12
0335 COMPUTER CLERK & ASSISTANT	980	0	0	0	
0340 * PROGRAM MANAGEMENT	480	92	67	7	2
0341 ADMINISTRATIVE OFFICER	648	3	0	0	
0342 SUPPORT SERVICES ADMINISTRATION	380	0	0	0	
0343 * MANAGEMENT AND PROGRAM ANALYSIS	6013	784	491	284	29
0344 MANAGEMENT CLERICAL AND ASSISTANCE	1248	21	0	0	
0346 * LOGISTICS MANAGEMENT	3879	1008	769	165	23
0350 EQUIPMENT OPERATOR	142	0	0	0	
0351 PRINTING CLERICAL	18	0	0	0	
0355 CALCULATING MACHINE OPERATOR	1	0	0	0	
0356 DATA TRANSCRIBER	174	0	0	0	
0357 CODING	30	0	0	0	
0359 ELECTRIC ACCOUNTING MACHINE OPERATION	2	0	0	0	
0360 EQUAL OPPORTUNITY COMPLIANCE	4	0	0	0	
0361 EQUAL OPPORTUNITY ASSISTANCE	98	0	0	0	
0362 ELECTRONIC ACCTING MACHINE PROJ	1	0	0	0	
0382 TELEPHONE OPERATING	232	0	0	0	
0385 TELETYPEPIST	2	0	0	0	
0388 CRYPTOGRAPHIC EQUIPMENT OPERATION	1	0	0	0	
0389 RADIO OPERATING	1	0	0	0	
0390 TELECOMMUNICATIONS PROCESSING	241	0	0	0	
0391 * TELECOMMUNICATIONS	1208	67	34	12	3
0392 * GENERAL TELECOMMUNICATIONS	235	0	0	2	
0393 COMMUNICATIONS SPECIALIST	4	0	0	0	
0394 COMMUNICATIONS CLERICAL	73	0	0	0	
0399 ADMINISTRATIVE/OFFICE SUPPORT STUDENT	193	0	0	0	
0401 * GENERAL BIOLOGICAL SCIENCE	1207	70	39	24	3
0403 * MICROBIOLOGY	160	91	55	23	3
0404 BIOLOGICAL SCIENCE TECHNICIAN	218	0	0	0	
0405 * PHARMACOLOGY	24	22	16	0	
0408 * ECOLOGY	149	0	0	1	
0410 * ZOOLOGY	6	3	0	0	
0413 * PHYSIOLOGY	65	51	37	5	1
0414 * ENTOMOLOGY	30	3	2	0	
0415 * TOXICOLOGY	20	7	1	0	
0430 * BOTANY	15	0	0	0	
0434 * PLANT PATHOLOGY	1	0	0	0	

al ons	Army- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Pos err com
21	1	0	0	0	0	1	20	0	0	0	0	0
404	0	0	0	0	0	0	404	0	0	0	0	0
28	0	0	0	0	0	0	28	0	0	0	0	0
079	431	218	378	213	6270	0	0	223	382	128	79	0
22	0	0	0	0	0	0	22	0	0	0	0	0
009	10	0	0	0	0	10	9999	0	0	0	0	0
106	0	0	0	0	0	0	106	0	0	0	0	0
804	1	0	0	0	0	1	1803	0	0	0	0	0
33	0	0	0	0	0	0	33	0	0	0	0	0
78	0	0	0	0	0	0	78	0	0	0	0	0
12	0	0	0	0	0	0	12	0	0	0	0	0
193	5	0	0	0	0	5	13188	0	0	0	0	0
29	0	0	0	0	0	0	29	0	0	0	0	0
565	0	0	0	0	0	0	565	0	0	0	0	0
218	3	0	0	0	0	3	4215	0	0	0	0	0
832	0	0	0	0	0	0	832	0	0	0	0	0
773	203	79	243	124	6327	0	0	81	243	45	72	0
980	0	0	0	0	0	0	980	0	0	0	0	0
480	92	67	7	25	381	0	0	73	9	17	18	0
648	3	0	0	0	0	3	645	0	0	0	0	0
380	0	0	0	0	0	0	380	0	0	0	0	0
013	784	491	284	293	4945	0	0	536	287	219	134	0
248	21	0	0	0	0	21	1227	0	0	0	0	0
879	1008	769	165	239	2706	0	0	789	165	157	128	0
142	0	0	0	0	0	0	142	0	0	0	0	0
18	0	0	0	0	0	0	18	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
174	0	0	0	0	0	0	174	0	0	0	0	0
30	0	0	0	0	0	0	30	0	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
98	0	0	0	0	0	0	98	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
232	0	0	0	0	0	0	232	0	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
241	0	0	0	0	0	0	241	0	0	0	0	0
208	67	34	12	33	1129	0	0	48	14	6	5	0
235	0	0	2	0	233	0	0	0	2	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
73	0	0	0	0	0	0	73	0	0	0	0	0
193	0	0	0	0	0	0	193	0	0	0	0	0
207	70	39	24	31	1113	0	0	61	25	8	7	0
160	91	55	23	36	46	0	0	67	23	24	38	0
218	0	0	0	0	0	0	218	0	0	0	0	0
24	22	16	0	6	2	0	0	22	0	0	2	0
149	0	0	1	0	148	0	0	0	1	0	0	0
6	3	0	0	3	3	0	0	3	0	0	1	0
65	51	37	5	14	9	0	0	51	5	0	7	0
30	3	2	0	1	27	0	0	2	0	1	0	0
20	7	1	0	6	13	0	0	5	0	2	0	0
15	0	0	0	0	15	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0	0

		Second stage of algorithm—cumulative results					
ssible ror of mission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
1	20	0	0	0	0	1	20
0	404	0	0	0	0	0	404
0	28	0	0	0	0	0	28
0	0	223	382	128	79	80	6187
0	22	0	0	0	0	0	22
10	9999	0	0	0	0	10	9999
0	106	0	0	0	0	0	106
1	1803	0	0	0	0	1	1803
0	33	0	0	0	0	0	33
0	78	0	0	0	0	0	78
0	12	0	0	0	0	0	12
5	13188	0	0	0	0	5	13188
0	29	0	0	0	0	0	29
0	565	0	0	0	0	0	565
3	4215	0	0	0	0	3	4215
0	832	0	0	0	0	0	832
0	0	81	243	45	72	77	6255
0	980	0	0	0	0	0	980
0	0	73	9	17	18	2	361
3	645	0	0	0	0	3	645
0	380	0	0	0	0	0	380
0	0	536	287	219	134	29	4808
21	1227	0	0	0	0	21	1227
0	0	789	165	157	128	62	2578
0	142	0	0	0	0	0	142
0	18	0	0	0	0	0	18
0	1	0	0	0	0	0	1
0	174	0	0	0	0	0	174
0	30	0	0	0	0	0	30
0	2	0	0	0	0	0	2
0	4	0	0	0	0	0	4
0	98	0	0	0	0	0	98
0	1	0	0	0	0	0	1
0	232	0	0	0	0	0	232
0	2	0	0	0	0	0	2
0	1	0	0	0	0	0	1
0	1	0	0	0	0	0	1
0	241	0	0	0	0	0	241
0	0	48	14	6	5	13	1122
0	0	0	2	0	0	0	233
0	4	0	0	0	0	0	4
0	73	0	0	0	0	0	73
0	193	0	0	0	0	0	193
0	0	61	25	8	7	1	1105
0	0	67	23	24	38	0	8
0	218	0	0	0	0	0	218
0	0	22	0	0	2	0	0
0	0	0	1	0	0	0	148
0	0	3	0	0	1	0	2
0	0	51	5	0	7	0	2
0	0	2	0	1	0	0	27
0	0	5	0	2	0	0	13
0	0	0	0	0	0	0	15
0	0	0	0	0	0	0	1

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
0435 * PLANT PHYSIOLOGY	1	0	0	0	(
0437 * HORTICULTURE	4	0	0	0	(
0440 * GENETICS	1	1	1	0	(
0454 * RANGE CONSERVATION	9	0	0	0	(
0455 RANGE TECHNICIAN	4	0	0	0	(
0457 * SOIL CONSERVATION	8	0	0	0	(
0458 SOIL CONSERVATION TECHNICIAN	1	0	0	0	(
0460 * FORESTRY	85	0	0	0	(
0462 FORESTRY TECHNICIAN	64	0	0	0	(
0470 * SOIL SCIENCE	12	0	0	0	(
0471 * AGRONOMY	30	0	0	0	(
0480 GENERAL FISH AND WILDLIFE	11	0	0	0	(
0482 FISHERY BIOLOGY	58	0	0	0	(
0486 * WILDLIFE BIOLOGY	98	0	0	0	(
0493 HOME ECONOMICS	4	1	0	0	(
0499 BIOLOGICAL SCIENCE STUDENT TRAINEE	63	0	0	0	(
0501 * FINANCIAL ADMINISTRATION AND PROGRAM	338	6	5	4	(
0503 FINANCIAL CLERICAL AND ASSISTANCE	332	0	0	0	(
0505 * FINANCIAL MANAGEMENT	155	2	0	0	(
0510 * ACCOUNTING	1163	14	2	9	1:
0511 * AUDITING	1206	1	0	2	(
0525 ACCOUNTING TECHNICIAN	1334	0	0	0	(
0530 CASH PROCESSING	197	0	0	0	(
0540 VOUCHER EXAMINING	388	0	0	0	(
0544 CIVILIAN PAY	126	0	0	0	(
0545 MILITARY PAY	318	0	0	0	(
0560 * BUDGET ANALYSIS	3550	235	77	104	158
0561 BUDGET CLERICAL AND ASSISTANCE	1369	5	0	0	(
0599 FINANCIAL MANAGEMENT STUDENT TRAINEE	53	0	0	0	(
0601 GENERAL HEALTH SCIENCE	85	7	0	0	(
0602 MEDICAL OFFICER	799	5	0	0	(
0603 PHYSICIAN'S ASSISTANT	142	0	0	0	(
0610 NURSE	2849	0	0	0	(
0620 PRACTICAL NURSE	1170	0	0	0	(
0621 NURSING ASSISTANT	762	0	0	0	(
0622 MEDICAL SUPPLY AIDE AND TECHNICIAN	102	0	0	0	(
0625 AUTOPSY ASSISTANT	4	0	0	0	(
0630 DIETITIAN AND NUTRITIONIST	44	3	0	0	(
0631 OCCUPATIONAL THERAPIST	36	0	0	0	(
0633 PHYSICAL THERAPIST	31	0	0	0	(
0635 CORRECTIVE THERAPIST	1	0	0	0	(
0636 REHABILITATION THERAPY ASSITANT	50	0	0	0	(
0638 RECREATION/CREATIVE ARTS THERAPIST	19	0	0	0	(
0640 HEALTH AID AND TECHNICIAN	1403	0	0	0	(
0642 NUCLEAR MEDICINE TECHNICIAN	42	0	0	0	(
0644 MEDICAL TECHNOLOGIST	660	4	0	0	(
0645 MEDICAL TECHNICIAN	484	0	0	0	(
0646 PATHOLOGY TECHNICIAN	102	0	0	0	(
0647 DIAGNOSTIC RADIOLOGIC TECHNOLOGIST	470	0	0	0	(
0648 THERAPEUTIC RADIOLOGIC TECHNOLOGIST	21	0	0	0	(
0649 MEDICAL INSTRUMENT TECHNICIAN	245	0	0	0	(
0651 RESPIRATORY THERAPIST	141	0	0	0	(
0660 * PHARMACIST	434	0	0	0	(
0661 PHARMACY TECHNICIAN	314	0	0	0	(

First stage of algorithm						Second stage of algorithm—cumulative results					
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0	0
1	0	0	0	0	0	1	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	8	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	85	0	0	0	0	0	0	0	0
0	0	0	0	0	64	0	0	0	0	0	0
0	0	0	12	0	0	0	0	0	0	0	0
0	0	0	30	0	0	0	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0	0
0	0	0	0	0	58	0	0	0	0	0	0
0	0	0	98	0	0	0	0	0	0	0	0
0	0	0	0	1	3	0	0	0	0	0	1
0	0	0	0	0	63	0	0	0	0	0	0
5	4	1	328	0	0	5	4	1	1	0	0
0	0	0	0	0	332	0	0	0	0	0	0
0	0	2	153	0	0	0	0	2	0	0	0
2	9	12	1140	0	0	8	9	2	0	0	4
0	2	1	1203	0	0	0	2	0	0	0	1
0	0	0	0	0	1334	0	0	0	0	0	0
0	0	0	0	0	197	0	0	0	0	0	0
0	0	0	0	0	388	0	0	0	0	0	0
0	0	0	0	0	126	0	0	0	0	0	0
0	0	0	0	0	318	0	0	0	0	0	0
77	104	158	3211	0	0	118	106	84	71	33	0
0	0	0	0	5	1364	0	0	0	0	5	0
0	0	0	0	0	53	0	0	0	0	0	0
0	0	0	0	7	78	0	0	0	0	7	0
0	0	0	0	5	794	0	0	0	0	5	0
0	0	0	0	0	142	0	0	0	0	0	0
0	0	0	0	0	2849	0	0	0	0	0	0
0	0	0	0	0	1170	0	0	0	0	0	0
0	0	0	0	0	762	0	0	0	0	0	0
0	0	0	0	0	102	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	3	41	0	0	0	0	3	0
0	0	0	0	0	36	0	0	0	0	0	0
0	0	0	0	0	31	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	50	0	0	0	0	0	0
0	0	0	0	0	19	0	0	0	0	0	0
0	0	0	0	0	1403	0	0	0	0	0	0
0	0	0	0	0	42	0	0	0	0	0	0
0	0	0	0	4	656	0	0	0	0	4	0
0	0	0	0	0	484	0	0	0	0	0	0
0	0	0	0	0	102	0	0	0	0	0	0
0	0	0	0	0	470	0	0	0	0	0	0
0	0	0	0	0	21	0	0	0	0	0	0
0	0	0	0	0	245	0	0	0	0	0	0
0	0	0	0	0	141	0	0	0	0	0	0
0	0	0	434	0	0	0	0	0	0	0	0
0	0	0	0	0	314	0	0	0	0	0	0

Second stage of algorithm—cumulative results						
acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	0	1
0	0	0	0	0	0	4
0	1	0	0	0	0	0
0	0	0	0	0	0	9
4	0	0	0	0	0	4
0	0	0	0	0	0	8
1	0	0	0	0	0	1
0	0	0	0	0	0	85
64	0	0	0	0	0	64
0	0	0	0	0	0	12
0	0	0	0	0	0	30
11	0	0	0	0	0	11
58	0	0	0	0	0	58
0	0	0	0	0	0	98
3	0	0	0	0	1	3
63	0	0	0	0	0	63
0	5	4	1	1	0	327
332	0	0	0	0	0	332
0	0	0	2	0	0	153
0	8	9	2	0	4	1140
0	0	2	0	0	1	1203
1334	0	0	0	0	0	1334
197	0	0	0	0	0	197
388	0	0	0	0	0	388
126	0	0	0	0	0	126
318	0	0	0	0	0	318
0	118	106	84	71	33	3138
1364	0	0	0	0	5	1364
53	0	0	0	0	0	53
78	0	0	0	0	7	78
794	0	0	0	0	5	794
142	0	0	0	0	0	142
2849	0	0	0	0	0	2849
1170	0	0	0	0	0	1170
762	0	0	0	0	0	762
102	0	0	0	0	0	102
4	0	0	0	0	0	4
41	0	0	0	0	3	41
36	0	0	0	0	0	36
31	0	0	0	0	0	31
1	0	0	0	0	0	1
50	0	0	0	0	0	50
19	0	0	0	0	0	19
1403	0	0	0	0	0	1403
42	0	0	0	0	0	42
656	0	0	0	0	4	656
484	0	0	0	0	0	484
102	0	0	0	0	0	102
470	0	0	0	0	0	470
21	0	0	0	0	0	21
245	0	0	0	0	0	245
141	0	0	0	0	0	141
0	0	0	0	0	0	434
314	0	0	0	0	0	314

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertainty designated
0662 OPTOMETRIST	19	2	0	0	
0665 SPEECH PATHOLOGY AND AUDIOLOGY	81	0	0	0	
0667 ORTHOTIST AND PROSTHETIST	46	0	0	0	
0668 PODIATRIST	13	0	0	0	
0669 MEDICAL RECORDS ADMINISTRATION	62	0	0	0	
0670 HEALTH SYSTEM ADMINISTRATION	4	0	0	0	
0671 HEALTH SYSTEM SPECIALIST	260	0	0	0	
0673 HOSPITAL HOUSEKEEPING MANAGEMENT	28	0	0	0	
0675 MEDICAL RECORD TECHNICIAN	614	0	0	0	
0679 MEDICAL CLERK	2703	1	0	0	
0680 DENTAL OFFICER	45	0	0	0	
0681 DENTAL ASSISTANT	1106	0	0	0	
0682 DENTAL HYGIENE	117	0	0	0	
0683 DENTAL LABORATORY AID AND TECHNICIAN	164	0	0	0	
0685 PUBLIC HEALTH PROGRAM SPECIALIST	1	0	0	0	
0688 SANITARIAN	6	0	0	0	
0690 INDUSTRIAL HYGIENE	228	1	0	0	
0698 ENVIRONMENTAL HEALTH TECHNICIAN	34	0	0	0	
0699 MEDICAL & HEALTH STUDENT TRAINEE	18	0	0	0	
0701 VETERINARY MEDICAL SCIENCE	8	0	0	0	
0704 ANIMAL HEALTH TECHNICIAN	12	0	0	0	
0801 * GENERAL ENGINEERING	4615	3025	2201	68	8
0802 ENGINEERING TECHNICIAN	4895	34	0	0	
0803 * SAFETY ENGINEERING	168	65	4	0	
0804 * FIRE PREVENTION ENGINEERING	14	0	0	1	
0806 * MATERIALS ENGINEERING	169	126	58	8	
0807 LANDSCAPE ARCHITECTURE	117	0	0	0	
0808 * ARCHITECTURE	437	5	1	1	
0809 * CONSTRUCTION CONTROL	1265	14	0	4	
0810 * CIVIL ENGINEERING	6691	816	20	29	7
0817 SURVEYING TECHNICIAN	340	1	0	0	
0818 ENGINEERING DRAFTING	181	0	0	0	
0819 * ENVIRONMENTAL ENGINEERING	872	29	5	2	
0828 * CONSTRUCTION ANALYST	1	0	0	0	
0830 * MECHANICAL ENGINEERING	2868	1749	1420	90	3
0840 * NUCLEAR ENGINEERING	9	3	1	4	
0850 * ELECTRICAL ENGINEERING	937	196	125	21	
0854 * COMPUTER ENGINEERING	510	410	143	4	2
0855 * ELECTRONICS ENGINEERING	4103	3356	2151	93	12
0856 ELECTRONICS TECHNICIAN	1245	16	0	0	
0858 * BIOMEDICAL ENGINEERING	18	7	4	2	
0861 * AEROSPACE ENGINEERING	579	463	363	62	1
0871 * NAVAL ARCHITECTURE	9	0	0	0	
0873 SHIP SURVEYING	19	0	0	0	
0890 AGRICULTURAL ENGINEERING	1	0	0	0	
0892 * CERAMIC ENGINEERING	11	10	2	0	
0893 * CHEMICAL ENGINEERING	376	243	199	14	
0894 * WELDING ENGINEERING	4	1	0	2	
0895 INDUSTRIAL ENGINEERING TECHNICIAN	134	6	0	0	
0896 * INDUSTRIAL ENGINEERING	491	238	154	35	
0899 ENGINEERING AND ARCHITECTURE STUDENT	543	1	0	0	
0904 LAW CLERK	2	0	0	0	
0905 GENERAL ATTORNEY	992	1	0	0	
0945 CLERK OF COURT	2	0	0	0	

ly- ated ition ons	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Non de
2	0	0	0	0	0	2	17	0	0	0	0	2
0	0	0	0	0	0	0	81	0	0	0	0	0
0	0	0	0	0	0	0	46	0	0	0	0	0
0	0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	0	62	0	0	0	0	0
0	0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	0	260	0	0	0	0	0
0	0	0	0	0	0	0	28	0	0	0	0	0
0	0	0	0	0	0	0	614	0	0	0	0	0
1	0	0	0	0	0	1	2702	0	0	0	0	1
0	0	0	0	0	0	0	45	0	0	0	0	0
0	0	0	0	0	0	0	1106	0	0	0	0	0
0	0	0	0	0	0	0	117	0	0	0	0	0
0	0	0	0	0	0	0	164	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	6	0	0	0	0	0
1	0	0	0	0	0	1	227	0	0	0	0	1
0	0	0	0	0	0	0	34	0	0	0	0	0
0	0	0	0	0	0	0	18	0	0	0	0	0
0	0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	0	12	0	0	0	0	0
3025	2201	68	824	1522	0	0	0	2914	100	103	219	8
34	0	0	0	0	34	4861	0	0	0	0	0	34
65	4	0	61	103	0	0	47	2	18	11	0	0
0	0	1	0	13	0	0	0	1	0	0	0	0
126	58	8	68	35	0	0	0	126	17	0	2	0
0	0	0	0	0	0	0	117	0	0	0	0	0
5	1	1	4	431	0	0	0	1	1	0	0	4
14	0	4	14	1247	0	0	0	4	7	0	0	7
816	20	29	796	5846	0	0	0	20	29	75	5	721
1	0	0	0	0	1	339	0	0	0	0	0	1
0	0	0	0	0	0	181	0	0	0	0	0	0
29	5	2	24	841	0	0	0	14	4	5	1	10
0	0	0	0	1	0	0	0	0	0	0	0	0
1749	1420	90	329	1029	0	0	0	1663	116	45	93	41
3	1	4	2	2	0	0	0	3	4	0	0	0
196	125	21	71	720	0	0	0	154	25	13	21	29
410	143	4	267	96	0	0	0	406	12	4	14	0
3356	2151	93	1205	654	0	0	0	3328	158	17	50	11
16	0	0	0	0	16	1229	0	0	0	0	0	16
7	4	2	3	9	0	0	0	5	2	2	2	0
463	363	62	100	54	0	0	0	447	65	13	34	3
0	0	0	0	9	0	0	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
10	2	0	8	1	0	0	0	10	1	0	0	0
243	199	14	44	119	0	0	0	238	22	5	34	0
1	0	2	1	1	0	0	0	1	2	0	0	0
6	0	0	0	0	6	128	0	0	0	0	0	6
238	154	35	84	218	0	0	0	199	38	34	35	5
1	0	0	0	0	1	542	0	0	0	0	0	1
0	0	0	0	0	0	2	0	0	0	0	0	0
1	0	0	0	0	1	991	0	0	0	0	0	1
0	0	0	0	0	0	2	0	0	0	0	0	0

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
17	0	0	0	0	2	17
81	0	0	0	0	0	81
46	0	0	0	0	0	46
13	0	0	0	0	0	13
62	0	0	0	0	0	62
4	0	0	0	0	0	4
260	0	0	0	0	0	260
28	0	0	0	0	0	28
614	0	0	0	0	0	614
2702	0	0	0	0	1	2702
45	0	0	0	0	0	45
1106	0	0	0	0	0	1106
117	0	0	0	0	0	117
164	0	0	0	0	0	164
1	0	0	0	0	0	1
6	0	0	0	0	0	6
227	0	0	0	0	1	227
34	0	0	0	0	0	34
18	0	0	0	0	0	18
8	0	0	0	0	0	8
12	0	0	0	0	0	12
0	2914	100	103	219	8	1271
4861	0	0	0	0	34	4861
0	47	2	18	11	0	90
0	0	1	0	0	0	13
0	126	17	0	2	0	24
117	0	0	0	0	0	117
0	1	1	0	0	4	431
0	0	4	7	0	7	1247
0	20	29	75	5	721	5841
339	0	0	0	0	1	339
181	0	0	0	0	0	181
0	14	4	5	1	10	838
0	0	0	0	0	0	1
0	1663	116	45	93	41	910
0	3	4	0	0	0	2
0	154	25	13	21	29	695
0	406	12	4	14	0	74
0	3328	158	17	50	11	539
1229	0	0	0	0	16	1229
0	5	2	2	2	0	7
0	447	65	13	34	3	17
0	0	0	0	0	0	9
19	0	0	0	0	0	19
1	0	0	0	0	0	1
0	10	1	0	0	0	0
0	238	22	5	34	0	77
0	1	2	0	0	0	1
128	0	0	0	0	6	128
0	199	38	34	35	5	180
542	0	0	0	0	1	542
2	0	0	0	0	0	2
991	0	0	0	0	1	991
2	0	0	0	0	0	2

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designate
0950 PARALEGAL SPECIALIST	214	0	0	0	
0962 CONTACT REPRESENTATIVE	343	0	0	0	
0963 LEGAL INSTRUMENTS EXAMINING	70	0	0	0	
0967 PASSPORT AND VISA EXAMINING	8	0	0	0	
0986 LEGAL CLERICAL AND ASSISTANCE	307	0	0	0	
0990 GENERAL CLAIMS EXAMINING	63	0	0	0	
0992 LOSS AND DAMAGE CLAIMS EXAMINING	81	0	0	0	
0998 CLAIMS CLERICAL	162	0	0	0	
0999 LEGAL OCCUPATION STUDENT TRAINEE	4	0	0	0	
1001 GENERAL ARTS AND INFORMATION	331	0	0	0	
1008 INTERIOR DESIGN	25	0	0	0	
1010 EXHIBITS SPECIALIST	38	0	0	0	
1015 MUSEUM CURATOR	68	0	0	0	
1016 MUSEUM SPECIALIST AND TECHNICIAN	80	0	0	0	
1020 ILLUSTRATING	206	0	0	0	
1021 OFFICE DRAFTING	6	0	0	0	
1035 PUBLIC AFFAIRS	772	0	0	0	
1040 LANGUAGE SPECIALIST	83	0	0	0	
1046 LANGUAGE CLERICAL	10	0	0	0	
1051 MUSIC SPECIALIST	7	0	0	0	
1054 THEATER SPECIALIST	3	0	0	0	
1056 ART SPECIALIST	67	0	0	0	
1060 PHOTOGRAPHY	363	0	0	0	
1071 AUDIOVISUAL PRODUCTION	232	0	0	0	
1082 WRITING AND EDITING	316	0	0	0	
1083 TECHNICAL WRITING AND EDITING	446	0	0	0	
1084 VISUAL INFORMATION	455	0	0	0	
1087 EDITORIAL ASSISTANCE	225	0	0	0	
1099 INFORMATION AND ARTS STUDENT TRAINEE	14	0	0	0	
1101 * GENERAL BUSINESS AND INDUSTRY	1013	192	138	74	5
1102 * CONTRACTING	5380	5354	5354	26	
1103 * INDUSTRIAL PROPERTY MANAGEMENT	100	73	31	2	4
1104 * PROPERTY DISPOSAL	28	0	0	1	
1105 * PURCHASING	777	707	707	70	
1106 * PROCUREMENT CLERICAL AND ASSISTANCE	1188	979	979	209	
1107 PROPERTY DISPOSAL CLERICAL AND	4	0	0	0	
1130 * PUBLIC UTILITIES SPECIALIST	10	0	0	0	
1150 * INDUSTRIAL SPECIALIST	317	166	136	94	3
1152 * PRODUCTION CONTROL	535	3	3	75	
1160 * FINANCIAL ANALYSIS	1	0	0	0	
1170 * REALTY	822	1	1	18	
1171 * APPRAISING AND ASSESSING	146	0	0	1	
1173 HOUSING MANAGEMENT	483	0	0	0	
1176 BUILDING MANAGEMENT	22	0	0	0	
1199 BUSINESS AND INDUSTRY STUDENT TRAINEE	30	2	0	0	
1202 PATENT TECHNICIAN	1	0	0	0	
1221 PATENT ADVISER	9	0	0	0	
1222 PATENT ATTORNEY	29	0	0	0	
1301 * GENERAL PHYSICAL SCIENCE	1012	464	323	26	14
1306 * HEALTH PHYSICS	71	17	0	1	1
1310 * PHYSICS	491	377	182	14	19
1311 PHYSICAL SCIENCE TECHNICIAN	306	3	0	0	
1313 * GEOPHYSICS	20	0	0	0	
1315 * HYDROLOGY	49	0	0	0	

al ons	Army- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulat					Po er com
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated		
214	0	0	0	0	0	0	214	0	0	0	0	0	
343	0	0	0	0	0	0	343	0	0	0	0	0	
70	0	0	0	0	0	0	70	0	0	0	0	0	
8	0	0	0	0	0	0	8	0	0	0	0	0	
307	0	0	0	0	0	0	307	0	0	0	0	0	
63	0	0	0	0	0	0	63	0	0	0	0	0	
81	0	0	0	0	0	0	81	0	0	0	0	0	
162	0	0	0	0	0	0	162	0	0	0	0	0	
4	0	0	0	0	0	0	4	0	0	0	0	0	
331	0	0	0	0	0	0	331	0	0	0	0	0	
25	0	0	0	0	0	0	25	0	0	0	0	0	
38	0	0	0	0	0	0	38	0	0	0	0	0	
68	0	0	0	0	0	0	68	0	0	0	0	0	
80	0	0	0	0	0	0	80	0	0	0	0	0	
206	0	0	0	0	0	0	206	0	0	0	0	0	
6	0	0	0	0	0	0	6	0	0	0	0	0	
772	0	0	0	0	0	0	772	0	0	0	0	0	
83	0	0	0	0	0	0	83	0	0	0	0	0	
10	0	0	0	0	0	0	10	0	0	0	0	0	
7	0	0	0	0	0	0	7	0	0	0	0	0	
3	0	0	0	0	0	0	3	0	0	0	0	0	
67	0	0	0	0	0	0	67	0	0	0	0	0	
363	0	0	0	0	0	0	363	0	0	0	0	0	
232	0	0	0	0	0	0	232	0	0	0	0	0	
316	0	0	0	0	0	0	316	0	0	0	0	0	
446	0	0	0	0	0	0	446	0	0	0	0	0	
455	0	0	0	0	0	0	455	0	0	0	0	0	
225	0	0	0	0	0	0	225	0	0	0	0	0	
14	0	0	0	0	0	0	14	0	0	0	0	0	
013	192	138	74	54	747	0	0	162	75	18		12	
380	5354	5354	26	0	0	0	0	5354	26	0		0	
100	73	31	2	42	25	0	0	50	2	23		22	
28	0	0	1	0	27	0	0	0	1	0		0	
777	707	707	70	0	0	0	0	707	70	0		0	
188	979	979	209	0	0	0	0	979	209	0		0	
4	0	0	0	0	0	0	4	0	0	0		0	
10	0	0	0	0	10	0	0	0	0	0		0	
317	166	136	94	30	57	0	0	146	94	7		1	
535	3	3	75	0	457	0	0	3	75	0		4	
1	0	0	0	0	1	0	0	0	0	0		0	
322	1	1	18	0	803	0	0	1	18	0		0	
146	0	0	1	0	145	0	0	0	1	0		0	
483	0	0	0	0	0	0	483	0	0	0		0	
22	0	0	0	0	0	0	22	0	0	0		0	
30	2	0	0	0	0	2	28	0	0	0		0	
1	0	0	0	0	0	0	1	0	0	0		0	
9	0	0	0	0	0	0	9	0	0	0		0	
29	0	0	0	0	0	0	29	0	0	0		0	
112	464	323	26	141	522	0	0	454	30	7		24	
71	17	0	1	17	53	0	0	10	1	5		1	
491	377	182	14	195	100	0	0	364	24	12		16	
306	3	0	0	0	0	3	303	0	0	0		0	
20	0	0	0	0	20	0	0	0	0	0		0	
49	0	0	0	0	49	0	0	0	0	0		0	

1		Second stage of algorithm—cumulative results					
Possible error of omission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	214	0	0	0	0	0	214
0	343	0	0	0	0	0	343
0	70	0	0	0	0	0	70
0	8	0	0	0	0	0	8
0	307	0	0	0	0	0	307
0	63	0	0	0	0	0	63
0	81	0	0	0	0	0	81
0	162	0	0	0	0	0	162
0	4	0	0	0	0	0	4
0	331	0	0	0	0	0	331
0	25	0	0	0	0	0	25
0	38	0	0	0	0	0	38
0	68	0	0	0	0	0	68
0	80	0	0	0	0	0	80
0	206	0	0	0	0	0	206
0	6	0	0	0	0	0	6
0	772	0	0	0	0	0	772
0	83	0	0	0	0	0	83
0	10	0	0	0	0	0	10
0	7	0	0	0	0	0	7
0	3	0	0	0	0	0	3
0	67	0	0	0	0	0	67
0	363	0	0	0	0	0	363
0	232	0	0	0	0	0	232
0	316	0	0	0	0	0	316
0	446	0	0	0	0	0	446
0	455	0	0	0	0	0	455
0	225	0	0	0	0	0	225
0	14	0	0	0	0	0	14
0	0	162	75	18	12	12	734
0	0	5354	26	0	0	0	0
0	0	50	2	23	22	0	3
0	0	0	1	0	0	0	27
0	0	707	70	0	0	0	0
0	0	979	209	0	0	0	0
0	4	0	0	0	0	0	4
0	0	0	0	0	0	0	10
0	0	146	94	7	1	13	56
0	0	3	75	0	4	0	453
0	0	0	0	0	0	0	1
0	0	1	18	0	0	0	803
0	0	0	1	0	0	0	145
0	483	0	0	0	0	0	483
0	22	0	0	0	0	0	22
2	28	0	0	0	0	2	28
0	1	0	0	0	0	0	1
0	9	0	0	0	0	0	9
0	29	0	0	0	0	0	29
0	0	454	30	7	24	3	494
0	0	10	1	5	1	2	52
0	0	364	24	12	16	1	74
3	303	0	0	0	0	3	303
0	0	0	0	0	0	0	20
0	0	0	0	0	0	0	49

3

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
1316 HYDROLOGIC TECHNICIAN	132	0	0	0	0
1320 * CHEMISTRY	809	347	174	26	173
1321 * METALLURGY	37	23	14	6	9
1340 * METEOROLOGY	63	39	18	6	21
1341 METEOROLOGICAL TECHNICIAN	70	0	0	0	0
1350 * GEOLOGY	291	2	0	3	2
1360 * OCEANOGRAPHY	32	0	0	0	0
1361 * NAVIGATIONAL INFORMATION	4	0	0	0	0
1370 * CARTOGRAPHY	36	0	0	0	0
1371 CARTOGRAPHIC TECHNICIAN	132	0	0	0	0
1372 * GEODESY	7	0	0	0	0
1373 LAND SURVEYING	16	0	0	0	0
1374 GEODETIC TECHNICIAN	18	0	0	0	0
1382 * FOOD TECHNOLOGY	31	27	22	1	5
1384 * TEXTILE TECHNOLOGY	24	22	16	0	6
1386 * PHOTOGRAPHIC TECHNOLOGY	6	1	0	2	1
1397 DOCUMENT ANALYSIS	1	0	0	0	0
1399 PHYSICAL SCIENCE STUDENT TRAINEE	52	0	0	0	0
1410 LIBRARIAN	418	0	0	0	0
1411 LIBRARY TECHNICIAN	657	0	0	0	0
1412 TECHNICAL INFORMATION SERVICES	81	0	0	0	0
1420 ARCHIVIST	14	0	0	0	0
1421 ARCHIVES TECHNICIAN	19	0	0	0	0
1499 LIBRARY AND ARCHIVES STUDENT TRAINEE	4	0	0	0	0
1510 * ACTUARY	1	0	0	1	0
1515 * OPERATIONS RESEARCH	1724	837	591	173	246
1520 * MATHEMATICS	320	249	217	12	32
1521 MATHEMATICS TECHNICIAN	4	0	0	0	0
1529 * MATHEMATICAL STATISTICIAN	40	34	23	2	11
1530 * STATISTICIAN	74	7	1	3	6
1531 STATISTICAL ASSISTANT	97	2	0	0	0
1550 * COMPUTER SCIENCE	339	153	66	8	87
1599 MATHEMATICS AND STATISTICS STUDENT	10	0	0	0	0
1601 GENERAL FACILITIES & EQUIPMENT	536	8	0	0	0
1630 CEMETERY ADMINISTRATION	5	0	0	0	0
1640 FACILITY MANAGEMENT	152	0	0	0	0
1654 PRINTING MANAGEMENT	71	0	0	0	0
1658 LAUNDRY AND DRY CLEANING PLANT	13	0	0	0	0
1667 STEWARD	25	0	0	0	0
1670 EQUIPMENT SPECIALIST	2563	97	0	0	0
1699 EQUIPMENT AND FACILITIES MGMT STUDENT	1	0	0	0	0
1701 GENERAL EDUCATION AND TRAINING	1248	0	0	0	0
1702 EDUCATION AND TRAINING TECHNICIAN	2354	0	0	0	0
1710 EDUCATION AND VOCATIONAL TRAINING	146	0	0	0	0
1712 TRAINING INSTRUCTION	2548	2	0	0	0
1720 EDUCATION PROGRAM	1	0	0	0	0
1740 EDUCATION SERVICES	601	1	0	0	0
1750 INSTRUCTIONAL SYSTEMS	569	0	0	0	0
1799 EDUCATION STUDENT TRAINEE	2	0	0	0	0
1801 GENERAL INSPECTION INVESTIGATION &	142	0	0	0	0
1802 COMPLIANCE INSPECTION & SUPPORT	117	0	0	0	0
1810 GENERAL INVESTIGATING	37	0	0	0	0
1811 CRIMINAL INVESTIGATING	136	0	0	0	0
1812 GAME LAW ENFORCEMENT	17	0	0	0	0

Army- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
2	0	0	0	0	0	0	132	0	0	0	0
9	347	174	26	173	436	0	0	320	37	26	44
7	23	14	6	9	8	0	0	23	6	0	0
3	39	18	6	21	18	0	0	38	6	1	0
0	0	0	0	0	0	0	70	0	0	0	0
2	2	0	3	2	286	0	0	1	3	0	0
2	0	0	0	0	32	0	0	0	0	0	0
4	0	0	0	0	4	0	0	0	0	0	0
3	0	0	0	0	36	0	0	0	0	0	0
2	0	0	0	0	0	0	132	0	0	0	0
7	0	0	0	0	7	0	0	0	0	0	0
3	0	0	0	0	0	0	16	0	0	0	0
3	0	0	0	0	0	0	18	0	0	0	0
	27	22	1	5	3	0	0	27	3	0	0
	22	16	0	6	2	0	0	22	1	0	0
	1	0	2	1	3	0	0	1	3	0	0
	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	52	0	0	0	0
	0	0	0	0	0	0	418	0	0	0	0
	0	0	0	0	0	0	657	0	0	0	0
	0	0	0	0	0	0	81	0	0	0	0
	0	0	0	0	0	0	14	0	0	0	0
	0	0	0	0	0	0	19	0	0	0	0
	0	0	0	0	0	0	4	0	0	0	0
	0	0	1	0	0	0	0	0	1	0	0
	837	591	173	246	714	0	0	808	188	10	15
	249	217	12	32	59	0	0	246	14	1	1
	0	0	0	0	0	0	4	0	0	0	0
	34	23	2	11	4	0	0	33	2	1	0
	7	1	3	6	64	0	0	5	3	2	0
	2	0	0	0	0	2	95	0	0	0	0
	153	66	8	87	178	0	0	137	18	13	34
	0	0	0	0	0	0	10	0	0	0	0
	8	0	0	0	0	8	528	0	0	0	0
	0	0	0	0	0	0	5	0	0	0	0
	0	0	0	0	0	0	152	0	0	0	0
	0	0	0	0	0	0	71	0	0	0	0
	0	0	0	0	0	0	13	0	0	0	0
	0	0	0	0	0	0	25	0	0	0	0
	97	0	0	0	0	97	2466	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	1248	0	0	0	0
	0	0	0	0	0	0	2354	0	0	0	0
	0	0	0	0	0	0	146	0	0	0	0
	2	0	0	0	0	2	2546	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0
	1	0	0	0	0	1	600	0	0	0	0
	0	0	0	0	0	0	569	0	0	0	0
	0	0	0	0	0	0	2	0	0	0	0
	0	0	0	0	0	0	142	0	0	0	0
	0	0	0	0	0	0	117	0	0	0	0
	0	0	0	0	0	0	37	0	0	0	0
	0	0	0	0	0	0	136	0	0	0	0
	0	0	0	0	0	0	17	0	0	0	0

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
132	0	0	0	0	0	132
0	320	37	26	44	1	381
0	23	6	0	0	0	8
0	38	6	1	0	0	18
70	0	0	0	0	0	70
0	1	3	0	0	1	286
0	0	0	0	0	0	32
0	0	0	0	0	0	4
0	0	0	0	0	0	36
132	0	0	0	0	0	132
0	0	0	0	0	0	7
16	0	0	0	0	0	16
18	0	0	0	0	0	18
0	27	3	0	0	0	1
0	22	1	0	0	0	1
0	1	3	0	0	0	2
1	0	0	0	0	0	1
52	0	0	0	0	0	52
418	0	0	0	0	0	418
657	0	0	0	0	0	657
81	0	0	0	0	0	81
14	0	0	0	0	0	14
19	0	0	0	0	0	19
4	0	0	0	0	0	4
0	0	1	0	0	0	0
0	808	188	10	15	19	684
0	246	14	1	1	2	56
4	0	0	0	0	0	4
0	33	2	1	0	0	4
0	5	3	2	0	0	64
95	0	0	0	0	2	95
0	137	18	13	34	3	134
10	0	0	0	0	0	10
528	0	0	0	0	8	528
5	0	0	0	0	0	5
152	0	0	0	0	0	152
71	0	0	0	0	0	71
13	0	0	0	0	0	13
25	0	0	0	0	0	25
2466	0	0	0	0	97	2466
1	0	0	0	0	0	1
1248	0	0	0	0	0	1248
2354	0	0	0	0	0	2354
146	0	0	0	0	0	146
2546	0	0	0	0	2	2546
1	0	0	0	0	0	1
600	0	0	0	0	1	600
569	0	0	0	0	0	569
2	0	0	0	0	0	2
142	0	0	0	0	0	142
117	0	0	0	0	0	117
37	0	0	0	0	0	37
136	0	0	0	0	0	136
17	0	0	0	0	0	17

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
1815 AIR SAFETY INVESTIGATING	8	0	0	0	0
1825 AVIATION SAFETY	2	0	0	0	0
1863 FOOD INSPECTION	1	0	0	0	0
1889 IMPORT SPECIALIST	8	0	0	0	0
1890 CUSTOMS INSPECTION	12	0	0	0	0
1897 CUSTOMS AID	1	0	0	0	0
1910 * QUALITY ASSURANCE	1515	703	306	25	397
2001 GENERAL SUPPLY	1011	3	0	0	0
2003 SUPPLY PROGRAM MANAGEMENT	1420	4	0	0	0
2005 SUPPLY CLERICAL AND TECHNICIAN	5289	2	0	0	0
2010 INVENTORY MANAGEMENT	1367	3	0	0	0
2030 DISTRIBUTION FACILITIES AND STORAGE MGT	127	5	0	0	0
2032 PACKAGING	70	4	0	0	0
2050 SUPPLY CATALOGING	171	0	0	0	0
2091 SALES STORE CLERICAL	40	0	0	0	0
2099 SUPPLY STUDENT TRAINEE	2	0	0	0	0
2101 TRANSPORTATION SPECIALIST	359	1	0	0	0
2102 TRANSPORTATION CLERK & ASSISTANT	1037	1	0	0	0
2130 TRAFFIC MANAGEMENT	648	1	0	0	0
2131 FREIGHT RATE	245	0	0	0	0
2132 TRAVEL	88	0	0	0	0
2133 PASSENGER RATE	5	0	0	0	0
2134 SHIPMENT CLERICAL & ASSISTANCE	203	0	0	0	0
2135 TRANSPORTATION LOSS AND DAMAGE CLAIMS	30	0	0	0	0
2144 CARGO SCHEDULING	12	0	0	0	0
2150 TRANSPORTATION OPERATIONS	60	0	0	0	0
2151 DISPATCHING	167	0	0	0	0
2152 AIR TRAFFIC CONTROL	289	2	0	0	0
2154 AIR TRAFFIC ASSISTANCE	25	0	0	0	0
2161 MARINE CARGO	26	0	0	0	0
2181 AIRCRAFT OPERATION	385	2	0	0	0
2185 AIRCREW TECHNICIAN	9	0	0	0	0
2199 TRANSPORTATION STUDENT TRAINEE	8	0	0	0	0
2501 MISC WIRE COMMO EQUIP INSTL & MAINT	8	0	0	0	0
2502 TELEPHONE MECHANIC	236	0	0	0	0
2504 WIRE COMMUNICATIONS CABLE SPLICING	53	0	0	0	0
2508 COMMUNICATIONS LINE INSTALLING AND	21	0	0	0	0
2511 WIRE COMMUNICATIONS EQUIP INSTALLING &	20	0	0	0	0
2601 MISC ELECTRONIC EQUIP INSTALLATION &	174	0	0	0	0
2602 ELECTRONIC MEASUREMENT EQUIPMENT	103	0	0	0	0
2604 ELECTRONICS MECHANIC	2209	0	0	0	0
2606 ELECTRONIC INDUSTRIAL CONTROLS MECHANIC	198	0	0	0	0
2608 ELECTRONIC DIGITAL COMPUTER MECHANIC	59	0	0	0	0
2610 ELECTRONIC INTEGRATED SYSTEMS MECHANIC	503	0	0	0	0
2801 MISCELLANEOUS ELECTRICAL INSTALL &	45	0	0	0	0
2805 ELECTRICIAN	786	0	0	0	0
2810 ELECTRICIAN (HIGH VOLTAGE)	509	0	0	0	0
2854 ELECTRICAL EQUIPMENT REPAIRING	203	0	0	0	0
2892 AIRCRAFT ELECTRICIAN	155	0	0	0	0
3101 MISC FABRIC AND LEATHER WORK	8	0	0	0	0
3103 SHOE REPAIRING	5	0	0	0	0
3105 FABRIC WORKING	224	0	0	0	0
3106 UPHOLSTERERING	37	0	0	0	0
3111 SEWING MACHINE OPERATING	146	0	0	0	0

Army-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
703	306	25	397	787	0	0	450	34	238	61	0
3	0	0	0	0	3	1008	0	0	0	0	0
4	0	0	0	0	4	1416	0	0	0	0	0
2	0	0	0	0	2	5287	0	0	0	0	0
3	0	0	0	0	3	1364	0	0	0	0	0
5	0	0	0	0	5	122	0	0	0	0	0
4	0	0	0	0	4	66	0	0	0	0	0
0	0	0	0	0	0	171	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
1	0	0	0	0	1	358	0	0	0	0	0
1	0	0	0	0	1	1036	0	0	0	0	0
1	0	0	0	0	1	647	0	0	0	0	0
0	0	0	0	0	0	245	0	0	0	0	0
0	0	0	0	0	0	88	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	203	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	60	0	0	0	0	0
0	0	0	0	0	0	167	0	0	0	0	0
2	0	0	0	0	2	287	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0
2	0	0	0	0	2	383	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	236	0	0	0	0	0
0	0	0	0	0	0	53	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	174	0	0	0	0	0
0	0	0	0	0	0	103	0	0	0	0	0
0	0	0	0	0	0	2209	0	0	0	0	0
0	0	0	0	0	0	198	0	0	0	0	0
0	0	0	0	0	0	59	0	0	0	0	0
0	0	0	0	0	0	503	0	0	0	0	0
0	0	0	0	0	0	45	0	0	0	0	0
0	0	0	0	0	0	786	0	0	0	0	0
0	0	0	0	0	0	509	0	0	0	0	0
0	0	0	0	0	0	203	0	0	0	0	0
0	0	0	0	0	0	155	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	224	0	0	0	0	0
0	0	0	0	0	0	37	0	0	0	0	0
0	0	0	0	0	0	146	0	0	0	0	0

Second stage of algorithm—cumulative results						
Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
8	0	0	0	0	0	8
2	0	0	0	0	0	2
1	0	0	0	0	0	1
8	0	0	0	0	0	8
12	0	0	0	0	0	12
1	0	0	0	0	0	1
0	450	34	238	61	15	717
1008	0	0	0	0	3	1008
1416	0	0	0	0	4	1416
5287	0	0	0	0	2	5287
1364	0	0	0	0	3	1364
122	0	0	0	0	5	122
66	0	0	0	0	4	66
171	0	0	0	0	0	171
40	0	0	0	0	0	40
2	0	0	0	0	0	2
358	0	0	0	0	1	358
1036	0	0	0	0	1	1036
647	0	0	0	0	1	647
245	0	0	0	0	0	245
88	0	0	0	0	0	88
5	0	0	0	0	0	5
203	0	0	0	0	0	203
30	0	0	0	0	0	30
12	0	0	0	0	0	12
60	0	0	0	0	0	60
167	0	0	0	0	0	167
287	0	0	0	0	2	287
25	0	0	0	0	0	25
26	0	0	0	0	0	26
383	0	0	0	0	2	383
9	0	0	0	0	0	9
8	0	0	0	0	0	8
8	0	0	0	0	0	8
236	0	0	0	0	0	236
53	0	0	0	0	0	53
21	0	0	0	0	0	21
20	0	0	0	0	0	20
174	0	0	0	0	0	174
103	0	0	0	0	0	103
2209	0	0	0	0	0	2209
198	0	0	0	0	0	198
59	0	0	0	0	0	59
503	0	0	0	0	0	503
45	0	0	0	0	0	45
786	0	0	0	0	0	786
509	0	0	0	0	0	509
203	0	0	0	0	0	203
155	0	0	0	0	0	155
8	0	0	0	0	0	8
5	0	0	0	0	0	5
224	0	0	0	0	0	224
37	0	0	0	0	0	37
146	0	0	0	0	0	146

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First st		
			Acquisition position and designated	Possible error of omission	Uncertainty designa
3301 MISC INSTRUMENT WORK	9	0	0	0	0
3306 OPTICAL INSTRUMENT REPAIRING	132	0	0	0	0
3314 INSTRUMENT MAKING	21	0	0	0	0
3359 INSTRUMENT MECHANIC	108	0	0	0	0
3364 PROJECTION EQUIPMENT REPAIRING	12	0	0	0	0
3401 MISCELLANEOUS MACHINE TOOL WORK	182	0	0	0	0
3414 MACHINING	1127	1	0	0	0
3416 TOOLMAKING	155	0	0	0	0
3417 TOOL GRINDING	18	0	0	0	0
3422 POWER SAW OPERATING	3	0	0	0	0
3428 DIE SINKING	4	0	0	0	0
3431 MACHINE TOOL OPERATING	196	0	0	0	0
3501 MISC GENERAL SERVICES & SUPPORT WORK	52	0	0	0	0
3502 LABORING	1453	0	0	0	0
3506 SUMMER AID/STUDENT AID	92	0	0	0	0
3508 PIPELINE WORKING	10	0	0	0	0
3511 LABORATORY WORKING	19	0	0	0	0
3515 LABORATORY SUPPORT WORKING	1	0	0	0	0
3546 RAILROAD REPAIRING	25	0	0	0	0
3566 CUSTODIAL WORKING	599	0	0	0	0
3601 MISC STRUCTURAL AND FINISHING WORK	35	0	0	0	0
3602 CEMENT FINISHING	23	0	0	0	0
3603 MASONRY	95	0	0	0	0
3604 TILE SETTING	3	0	0	0	0
3605 PLASTERING	11	0	0	0	0
3606 ROOFING	25	0	0	0	0
3609 FLOOR COVERING INSTALLING	5	0	0	0	0
3610 INSULATING	26	0	0	0	0
3611 GLAZING	10	0	0	0	0
3653 ASPHALT WORKING	19	0	0	0	0
3701 MISCELLANEOUS METAL PROCESSING	35	0	0	0	0
3702 FLAME/ARC CUTTING	13	0	0	0	0
3703 WELDING	740	0	0	0	0
3705 NONDESTRUCTIVE TESTING	25	0	0	0	0
3707 METALIZING	15	0	0	0	0
3708 METAL PROCESS WORKING	3	0	0	0	0
3711 ELECTROPLATING	166	0	0	0	0
3712 HEAT TREATING	32	0	0	0	0
3722 COLD WORKING	2	0	0	0	0
3725 BATTERY REPAIRING	35	0	0	0	0
3727 BUFFING & POLISHING	6	0	0	0	0
3735 METAL PHOTOTRANSFERRING	18	0	0	0	0
3736 CIRCUIT BOARD MAKING	1	0	0	0	0
3741 FURNACE OPERATING	3	0	0	0	0
3769 SHOT PEENING MACHINE OPERATING	3	0	0	0	0
3801 MISCELLANEOUS METAL WORK	63	0	0	0	0
3802 FORGING MACHINE OPERATING	8	0	0	0	0
3806 SHEET METAL MECHANIC	685	0	0	0	0
3807 STRUCTURAL/ORNAMENTAL IRON WORKING	40	0	0	0	0
3808 BOILERMAKING	1	0	0	0	0
3809 MOBILE EQUIPMENT METAL MECHANIC	214	0	0	0	0
3816 ENGRAVING	3	0	0	0	0
3818 SPRINGMAKING	2	0	0	0	0
3820 SHIPFITTING	1	0	0	0	0

Army-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	132	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0
0	0	0	0	0	0	108	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	182	0	0	0	0	0
1	0	0	0	0	1	1126	0	0	0	0	0
0	0	0	0	0	0	155	0	0	0	0	0
0	0	0	0	0	0	18	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	196	0	0	0	0	0
0	0	0	0	0	0	52	0	0	0	0	0
0	0	0	0	0	0	1453	0	0	0	0	0
0	0	0	0	0	0	92	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	599	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0
0	0	0	0	0	0	95	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	740	0	0	0	0	0
0	0	0	0	0	0	25	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	166	0	0	0	0	0
0	0	0	0	0	0	32	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	18	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	63	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	685	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	214	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0

10000

Second stage of algorithm—cumulative results							
n	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	9	0	0	0	0	0	9
0	132	0	0	0	0	0	132
0	21	0	0	0	0	0	21
0	108	0	0	0	0	0	108
0	12	0	0	0	0	0	12
0	182	0	0	0	0	0	182
1	1126	0	0	0	0	1	1126
0	155	0	0	0	0	0	155
0	18	0	0	0	0	0	18
0	3	0	0	0	0	0	3
0	4	0	0	0	0	0	4
0	196	0	0	0	0	0	196
0	52	0	0	0	0	0	52
0	1453	0	0	0	0	0	1453
0	92	0	0	0	0	0	92
0	10	0	0	0	0	0	10
0	19	0	0	0	0	0	19
0	1	0	0	0	0	0	1
0	25	0	0	0	0	0	25
0	599	0	0	0	0	0	599
0	35	0	0	0	0	0	35
0	23	0	0	0	0	0	23
0	95	0	0	0	0	0	95
0	3	0	0	0	0	0	3
0	11	0	0	0	0	0	11
0	25	0	0	0	0	0	25
0	5	0	0	0	0	0	5
0	26	0	0	0	0	0	26
0	10	0	0	0	0	0	10
0	19	0	0	0	0	0	19
0	35	0	0	0	0	0	35
0	13	0	0	0	0	0	13
0	740	0	0	0	0	0	740
0	25	0	0	0	0	0	25
0	15	0	0	0	0	0	15
0	3	0	0	0	0	0	3
0	166	0	0	0	0	0	166
0	32	0	0	0	0	0	32
0	2	0	0	0	0	0	2
0	35	0	0	0	0	0	35
0	6	0	0	0	0	0	6
0	18	0	0	0	0	0	18
0	1	0	0	0	0	0	1
0	3	0	0	0	0	0	3
0	3	0	0	0	0	0	3
0	63	0	0	0	0	0	63
0	8	0	0	0	0	0	8
0	685	0	0	0	0	0	685
0	40	0	0	0	0	0	40
0	1	0	0	0	0	0	1
0	214	0	0	0	0	0	214
0	3	0	0	0	0	0	3
0	2	0	0	0	0	0	2
0	1	0	0	0	0	0	1

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designate
3830 BLACKSMITHING	1	0	0	0	
3858 METAL TANK & RADIATOR REPAIRING	26	0	0	0	
3869 METAL FORMING MACHINE OPERATING	17	0	0	0	
3872 METAL TUBE MAKING,INSTALLING,& REPAIR	12	0	0	0	
3901 MISC MOTION PICTURE,RADIO,TV&SOUND EQUIP	28	0	0	0	
3910 MOTION PICTURE PROJECTION	9	0	0	0	
3911 SOUND RECORDING EQUIP OPERATING	1	0	0	0	
3919 TELEVISION EQUIPMENT OPERATING	7	0	0	0	
3940 BROADCASTING EQUIPMENT OPERATING	23	0	0	0	
3941 PUBLIC ADDRESS EQUIPMENT OPERATING	9	0	0	0	
4005 OPTICAL ELEMENT WORKING	1	0	0	0	
4010 PRESCRIPTION EYEGLASS MAKING	40	0	0	0	
4101 MISCELLANEOUS PAINTING AND PAPERHANGING	17	0	0	0	
4102 PAINTING	701	0	0	0	
4103 PAPERHANGING	5	0	0	0	
4104 SIGN PAINTING	65	0	0	0	
4201 MISC PLUMBING & PIPEFITTING	5	0	0	0	
4204 PIPEFITTING	373	0	0	0	
4206 PLUMBING	438	0	0	0	
4255 FUEL DISTR SYS MECH	17	0	0	0	
4301 MISC PLIABLE MATERIALS WORK	73	0	0	0	
4352 PLASTIC FABRICATING	64	0	0	0	
4360 RUBBER PRODUCTS MOLDING	4	0	0	0	
4361 RUBBER EQUIPMENT REPAIRING	28	0	0	0	
4373 MOLDING	9	0	0	0	
4401 MISCELLANEOUS PRINTING	15	0	0	0	
4402 BINDERY WORKING	12	0	0	0	
4405 FILM ASSEMBLY-STRIPPING	1	0	0	0	
4414 OFFSET PHOTOGRAPHY	16	0	0	0	
4417 OFFSET PRESS OPERATING	24	0	0	0	
4419 SILK SCREEN MAKING & PRINTING	10	0	0	0	
4601 MISCELLANEOUS WOOD WORK	27	0	0	0	
4602 BLOCKING AND BRACING	108	0	0	0	
4604 WOOD WORKING	94	0	0	0	
4605 WOOD CRAFTING	50	0	0	0	
4607 CARPENTRY	791	0	0	0	
4616 PATTERNMAKING	10	0	0	0	
4618 WOODWORKING MACHINE OPERATING	3	0	0	0	
4639 TIMBER WORKING	3	0	0	0	
4701 MISC GENERAL MAINTENANCE & OPERATIONS	385	0	0	0	
4714 MODEL MAKING	94	0	0	0	
4715 EXHIBITS MAKING/MODELING	96	0	0	0	
4716 RAILROAD CAR REPAIRING	3	0	0	0	
4717 BOAT BUILDING & REPAIRING	9	0	0	0	
4737 GENERAL EQUIPMENT MECHANIC	98	0	0	0	
4741 GENERAL EQUIPMENT OPERATING	11	0	0	0	
4742 UTILITY SYSTEMS REPAIRING-OPERATING	389	0	0	0	
4745 RESEARCH LABORATORY MECHANIC	2	0	0	0	
4749 MAINTENANCE MECHANIC	2514	2	0	0	
4754 CEMETERY CARETAKING	36	0	0	0	
4801 MISCELLANEOUS GENERAL EQUIPMENT	331	0	0	0	
4802 MUSICAL INSTRUMENT REPAIRING	1	0	0	0	
4804 LOCKSMITHING	83	0	0	0	
4805 MEDICAL EQUIPMENT REPAIRING	127	0	0	0	

Army- signated quisition ositions	First stage of algorithm						Second stage of algorithm—cumulative res						N
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission		
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	26	0	0	0	0	0	0
0	0	0	0	0	0	0	17	0	0	0	0	0	0
0	0	0	0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	0	0	0	28	0	0	0	0	0	0
0	0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	0	0	0	0	23	0	0	0	0	0	0
0	0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	40	0	0	0	0	0	0
0	0	0	0	0	0	0	17	0	0	0	0	0	0
0	0	0	0	0	0	0	701	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	0	65	0	0	0	0	0	0
0	0	0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	0	373	0	0	0	0	0	0
0	0	0	0	0	0	0	438	0	0	0	0	0	0
0	0	0	0	0	0	0	17	0	0	0	0	0	0
0	0	0	0	0	0	0	73	0	0	0	0	0	0
0	0	0	0	0	0	0	64	0	0	0	0	0	0
0	0	0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	0	0	28	0	0	0	0	0	0
0	0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	0	15	0	0	0	0	0	0
0	0	0	0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	16	0	0	0	0	0	0
0	0	0	0	0	0	0	24	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0	0	0	0
0	0	0	0	0	0	0	27	0	0	0	0	0	0
0	0	0	0	0	0	0	108	0	0	0	0	0	0
0	0	0	0	0	0	0	94	0	0	0	0	0	0
0	0	0	0	0	0	0	50	0	0	0	0	0	0
0	0	0	0	0	0	0	791	0	0	0	0	0	0
0	0	0	0	0	0	0	10	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	385	0	0	0	0	0	0
0	0	0	0	0	0	0	94	0	0	0	0	0	0
0	0	0	0	0	0	0	96	0	0	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	0	98	0	0	0	0	0	0
0	0	0	0	0	0	0	11	0	0	0	0	0	0
0	0	0	0	0	0	0	389	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0	0	0	0
2	0	0	0	0	0	2	2512	0	0	0	0	2	2
0	0	0	0	0	0	0	36	0	0	0	0	0	0
0	0	0	0	0	0	0	331	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	83	0	0	0	0	0	0
0	0	0	0	0	0	0	127	0	0	0	0	0	0

100-100000

Second stage of algorithm—cumulative results						
Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
1	0	0	0	0	0	1
26	0	0	0	0	0	26
17	0	0	0	0	0	17
12	0	0	0	0	0	12
28	0	0	0	0	0	28
9	0	0	0	0	0	9
1	0	0	0	0	0	1
7	0	0	0	0	0	7
23	0	0	0	0	0	23
9	0	0	0	0	0	9
1	0	0	0	0	0	1
40	0	0	0	0	0	40
17	0	0	0	0	0	17
701	0	0	0	0	0	701
5	0	0	0	0	0	5
65	0	0	0	0	0	65
5	0	0	0	0	0	5
373	0	0	0	0	0	373
438	0	0	0	0	0	438
17	0	0	0	0	0	17
73	0	0	0	0	0	73
64	0	0	0	0	0	64
4	0	0	0	0	0	4
28	0	0	0	0	0	28
9	0	0	0	0	0	9
15	0	0	0	0	0	15
12	0	0	0	0	0	12
1	0	0	0	0	0	1
16	0	0	0	0	0	16
24	0	0	0	0	0	24
10	0	0	0	0	0	10
27	0	0	0	0	0	27
108	0	0	0	0	0	108
94	0	0	0	0	0	94
50	0	0	0	0	0	50
791	0	0	0	0	0	791
10	0	0	0	0	0	10
3	0	0	0	0	0	3
3	0	0	0	0	0	3
385	0	0	0	0	0	385
94	0	0	0	0	0	94
96	0	0	0	0	0	96
3	0	0	0	0	0	3
9	0	0	0	0	0	9
98	0	0	0	0	0	98
11	0	0	0	0	0	11
389	0	0	0	0	0	389
2	0	0	0	0	0	2
2512	0	0	0	0	2	2512
36	0	0	0	0	0	36
331	0	0	0	0	0	331
1	0	0	0	0	0	1
83	0	0	0	0	0	83
127	0	0	0	0	0	127

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First s		
			Acquisition position and designated	Possible error of omission	Uncert designa
4806 OFFICE APPLIANCE REPAIRING	25	0	0	0	
4807 CHEMICAL EQUIPMENT REPAIRING	33	0	0	0	
4808 CUSTODIAL EQUIPMENT SERVICING	1	0	0	0	
4812 SAW RECONDITIONING	2	0	0	0	
4816 PROTECTIVE&SAFETY EQUIP	90	0	0	0	
4818 AIRCRAFT SURVIVAL AND FLIGHT EQUIPMENT	35	0	0	0	
4840 TOOL & EQUIPMENT REPAIRING	8	0	0	0	
4841 WINDOW SHADE	1	0	0	0	
4848 MECHANICAL PARTS REPAIRING	2	0	0	0	
4850 BEARING RECONDITIONER	28	0	0	0	
4851 RECLAMATION WORKING	6	0	0	0	
4855 DOMESTIC APPLIANCE REPAIRING	10	0	0	0	
5001 MISC PLANT AND ANIMAL WORK	15	0	0	0	
5003 GARDENING	92	0	0	0	
5026 PEST CONTROLLING	189	0	0	0	
5031 INSECTS PRODUCTION WORKING	3	0	0	0	
5035 LIVESTOCK RANCHING/WRANGLING	7	0	0	0	
5042 TREE WORKING	8	0	0	0	
5048 ANIMAL CARETAKING	61	0	0	0	
5201 MISCELLANEOUS OCCUPATIONS	16	0	0	0	
5205 GAS & RADIATION DETECTING	53	0	0	0	
5210 RIGGING	77	0	0	0	
5220 SHIPWRIGHT	1	0	0	0	
5301 MISC INDUSTRIAL EQUIPMENT MAINT	382	0	0	0	
5306 AIR CONDITIONING EQUIPMENT MECHANIC	461	0	0	0	
5309 HEATING & BOILER PLANT EQUIPMENT	217	0	0	0	
5310 KITCHEN/BAKERY EQUIPMENT REPAIRING	57	0	0	0	
5312 SEWING MACHINE REPAIRING	4	0	0	0	
5313 ELEVATOR MECHANIC	1	0	0	0	
5317 LAUNDRY AND DRY CLEANING EQUIP RPRNG	11	0	0	0	
5318 LOCK AND DAM REPAIRING	480	0	0	0	
5323 OILING AND GREASING	40	0	0	0	
5324 POWERHOUSE EQUIPMENT REPAIRING	204	0	0	0	
5326 DRAWBRIDGE REPAIRING	1	0	0	0	
5330 PRINTING EQUIPMENT REPAIRING	10	0	0	0	
5334 MARINE MACHINERY MECHANIC	106	0	0	0	
5335 WIND TUNNEL MECHANIC	1	0	0	0	
5350 PRODUCTION MACHINERY MECHANIC	186	0	0	0	
5352 INDUSTRIAL EQUIPMENT MECHANIC	234	0	0	0	
5364 DOOR SYSTEMS MECHANIC	7	0	0	0	
5378 POWERED SUPPORT SYSTEMS MECHANIC	176	0	0	0	
5401 MISCELLANEOUS INDUSTRIAL EQUIPMENT	167	0	0	0	
5402 BOILER PLANT OPERATING	433	0	0	0	
5403 INCENERATOR OPERATING	7	0	0	0	
5406 UTILITY SYSTEMS OPERATING	98	0	0	0	
5407 ELECTRIC POWER CONTROLLING	362	0	0	0	
5408 SEWAGE DISPOSAL PLANT OPERATING	139	0	0	0	
5409 WATER TREATMENT PLANT OPERATING	223	0	0	0	
5413 FUEL DISTRIBUTION SYSTEM OPERATING	88	0	0	0	
5415 AIR CONDITIONING EQUIPMENT OPERATING	54	0	0	0	
5419 STATIONARY-ENGINE OPERATING	3	0	0	0	
5423 SANDBLASTING	149	0	0	0	
5424 WEIGHING MACHINE OPERATING	2	0	0	0	
5426 LOCK & DAM OPERATING	1345	0	0	0	

Army-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative re				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	25	0	0	0	0	(
0	0	0	0	0	0	33	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	2	0	0	0	0	(
0	0	0	0	0	0	90	0	0	0	0	(
0	0	0	0	0	0	35	0	0	0	0	(
0	0	0	0	0	0	8	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	2	0	0	0	0	(
0	0	0	0	0	0	28	0	0	0	0	(
0	0	0	0	0	0	6	0	0	0	0	(
0	0	0	0	0	0	10	0	0	0	0	(
0	0	0	0	0	0	15	0	0	0	0	(
0	0	0	0	0	0	92	0	0	0	0	(
0	0	0	0	0	0	189	0	0	0	0	(
0	0	0	0	0	0	3	0	0	0	0	(
0	0	0	0	0	0	7	0	0	0	0	(
0	0	0	0	0	0	8	0	0	0	0	(
0	0	0	0	0	0	61	0	0	0	0	(
0	0	0	0	0	0	16	0	0	0	0	(
0	0	0	0	0	0	53	0	0	0	0	(
0	0	0	0	0	0	77	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	382	0	0	0	0	(
0	0	0	0	0	0	461	0	0	0	0	(
0	0	0	0	0	0	217	0	0	0	0	(
0	0	0	0	0	0	57	0	0	0	0	(
0	0	0	0	0	0	4	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	11	0	0	0	0	(
0	0	0	0	0	0	480	0	0	0	0	(
0	0	0	0	0	0	40	0	0	0	0	(
0	0	0	0	0	0	204	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	10	0	0	0	0	(
0	0	0	0	0	0	106	0	0	0	0	(
0	0	0	0	0	0	1	0	0	0	0	(
0	0	0	0	0	0	186	0	0	0	0	(
0	0	0	0	0	0	234	0	0	0	0	(
0	0	0	0	0	0	7	0	0	0	0	(
0	0	0	0	0	0	176	0	0	0	0	(
0	0	0	0	0	0	167	0	0	0	0	(
0	0	0	0	0	0	433	0	0	0	0	(
0	0	0	0	0	0	7	0	0	0	0	(
0	0	0	0	0	0	98	0	0	0	0	(
0	0	0	0	0	0	362	0	0	0	0	(
0	0	0	0	0	0	139	0	0	0	0	(
0	0	0	0	0	0	223	0	0	0	0	(
0	0	0	0	0	0	88	0	0	0	0	(
0	0	0	0	0	0	54	0	0	0	0	(
0	0	0	0	0	0	3	0	0	0	0	(
0	0	0	0	0	0	149	0	0	0	0	(
0	0	0	0	0	0	2	0	0	0	0	(
0	0	0	0	0	0	1345	0	0	0	0	(

Second stage of algorithm—cumulative results							
Ionacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	
25	0	0	0	0	0	25	
33	0	0	0	0	0	33	
1	0	0	0	0	0	1	
2	0	0	0	0	0	2	
90	0	0	0	0	0	90	
35	0	0	0	0	0	35	
8	0	0	0	0	0	8	
1	0	0	0	0	0	1	
2	0	0	0	0	0	2	
28	0	0	0	0	0	28	
6	0	0	0	0	0	6	
10	0	0	0	0	0	10	
15	0	0	0	0	0	15	
92	0	0	0	0	0	92	
189	0	0	0	0	0	189	
3	0	0	0	0	0	3	
7	0	0	0	0	0	7	
8	0	0	0	0	0	8	
61	0	0	0	0	0	61	
16	0	0	0	0	0	16	
53	0	0	0	0	0	53	
77	0	0	0	0	0	77	
1	0	0	0	0	0	1	
382	0	0	0	0	0	382	
461	0	0	0	0	0	461	
217	0	0	0	0	0	217	
57	0	0	0	0	0	57	
4	0	0	0	0	0	4	
1	0	0	0	0	0	1	
11	0	0	0	0	0	11	
480	0	0	0	0	0	480	
40	0	0	0	0	0	40	
204	0	0	0	0	0	204	
1	0	0	0	0	0	1	
10	0	0	0	0	0	10	
106	0	0	0	0	0	106	
1	0	0	0	0	0	1	
186	0	0	0	0	0	186	
234	0	0	0	0	0	234	
7	0	0	0	0	0	7	
176	0	0	0	0	0	176	
167	0	0	0	0	0	167	
433	0	0	0	0	0	433	
7	0	0	0	0	0	7	
98	0	0	0	0	0	98	
362	0	0	0	0	0	362	
139	0	0	0	0	0	139	
223	0	0	0	0	0	223	
88	0	0	0	0	0	88	
54	0	0	0	0	0	54	
3	0	0	0	0	0	3	
149	0	0	0	0	0	149	
2	0	0	0	0	0	2	
1345	0	0	0	0	0	1345	

3

Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
5427 CHEMICAL PLANT OPERATOR	65	0	0	0	0
5435 CARTON/BAG MAKING MACHINE OPERATING	2	0	0	0	0
5438 ELEVATOR OPERATING	1	0	0	0	0
5439 TESTING EQUIPMENT OPERATING	31	0	0	0	0
5440 PACKAGING MACHINE OPERATING	14	0	0	0	0
5450 CONVEYOR OPERATING	1	0	0	0	0
5455 PAPER PULPING MACHINE OPERATING	1	0	0	0	0
5473 OIL RECLAMATION EQUIPMENT OPERATING	1	0	0	0	0
5478 PORTABLE EQUIPMENT OPERATING	4	0	0	0	0
5479 DREDGING EQUIPMENT OPERATING	28	0	0	0	0
5486 SWIMMING POOL OPERATING	2	0	0	0	0
5701 TRANSPORTATION/MOBILE EQUIPMENT	152	0	0	0	0
5703 MOTOR VEHICLE OPERATING	2163	0	0	0	0
5704 FORK LIFT OPERATING	353	0	0	0	0
5705 TRACTOR OPERATING	321	0	0	0	0
5706 ROAD SWEEPER OPERATING	7	0	0	0	0
5707 TANK DRIVING	3	0	0	0	0
5716 ENGINEERING EQUIPMENT OPERATING	835	0	0	0	0
5725 CRANE OPERATING	330	0	0	0	0
5729 DRILL RIG OPERATING	115	0	0	0	0
5731 MINING/TUNNELING MACHINE OPERATING	2	0	0	0	0
5736 BRAKING-SWITCHING & CONDUCTING	47	0	0	0	0
5737 LOCOMOTIVE ENGINEERING	35	0	0	0	0
5738 RAILROAD MAINTENANCE VEHICLE OPERATING	21	0	0	0	0
5782 SHIP OPERATING	97	0	0	0	0
5784 RIVERBOAT OPERATING	107	0	0	0	0
5786 SMALL CRAFT OPERATING	139	0	0	0	0
5788 DECKHAND	228	0	0	0	0
5801 TRANSPORTATION/MOBILE EQUIPMENT	324	0	0	0	0
5803 HEAVY MOBILE EQUIPMENT MECHANIC	3884	0	0	0	0
5806 MOBILE EQUIPMENT SERVICING	155	0	0	0	0
5823 AUTOMOTIVE MECHANIC	934	0	0	0	0
5876 ELECTROMOTIVE EQUIP MECH	16	0	0	0	0
6501 MISC AMMO,EXPLOSIVES,& TOXIC MTS WK	223	0	0	0	0
6502 EXPLOSIVES OPERATING	588	0	0	0	0
6505 MUNITIONS DESTROYING	45	0	0	0	0
6511 MISSILE/TOXIC MATERIALS HANDLING	274	1	0	0	0
6517 EXPLOSIVES TEST OPERATING	78	0	0	0	0
6601 MISC ARMAMENT WORK	63	0	0	0	0
6605 ARTILLERY REPAIRING	306	0	0	0	0
6606 ARTILLERY TESTING	63	0	0	0	0
6610 SMALL ARMS REPAIRING	238	0	0	0	0
6641 ORDNANCE EQUIPMENT MECHANIC	137	0	0	0	0
6652 AIRCRAFT ORDNANCE SYSTEMS MECHANIC	9	0	0	0	0
6656 SPECIAL WEAPONS SYS MECH	20	0	0	0	0
6901 MISC WAREHOUSING & STOCK HANDING	134	0	0	0	0
6902 LUMBER HANDLING	3	0	0	0	0
6903 COAL HANDLING	5	0	0	0	0
6904 TOOL & PARTS ATTENDING	583	0	0	0	0
6907 MATERIALS HANDLING	3107	0	0	0	0
6910 MATERIALS EXPEDITING	340	0	0	0	0
6912 MATERIALS EXAMINING AND IDENTIFYING	281	0	0	0	0
6914 STORE WORKING	16	0	0	0	0
7001 MISCELLANEOUS PACKING & PROCESSING	24	0	0	0	0

ny- rated sition ions	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Non de
0	0	0	0	0	0	65	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	0	28	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	152	0	0	0	0	0	0
0	0	0	0	0	0	2163	0	0	0	0	0	0
0	0	0	0	0	0	353	0	0	0	0	0	0
0	0	0	0	0	0	321	0	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	835	0	0	0	0	0	0
0	0	0	0	0	0	330	0	0	0	0	0	0
0	0	0	0	0	0	115	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	47	0	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0	0
0	0	0	0	0	0	97	0	0	0	0	0	0
0	0	0	0	0	0	107	0	0	0	0	0	0
0	0	0	0	0	0	139	0	0	0	0	0	0
0	0	0	0	0	0	228	0	0	0	0	0	0
0	0	0	0	0	0	324	0	0	0	0	0	0
0	0	0	0	0	0	3884	0	0	0	0	0	0
0	0	0	0	0	0	155	0	0	0	0	0	0
0	0	0	0	0	0	934	0	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0	0
0	0	0	0	0	0	223	0	0	0	0	0	0
0	0	0	0	0	0	588	0	0	0	0	0	0
0	0	0	0	0	0	45	0	0	0	0	0	0
1	0	0	0	0	1	273	0	0	0	0	1	0
0	0	0	0	0	0	78	0	0	0	0	0	0
0	0	0	0	0	0	63	0	0	0	0	0	0
0	0	0	0	0	0	306	0	0	0	0	0	0
0	0	0	0	0	0	63	0	0	0	0	0	0
0	0	0	0	0	0	238	0	0	0	0	0	0
0	0	0	0	0	0	137	0	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0	0
0	0	0	0	0	0	134	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	583	0	0	0	0	0	0
0	0	0	0	0	0	3107	0	0	0	0	0	0
0	0	0	0	0	0	340	0	0	0	0	0	0
0	0	0	0	0	0	281	0	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0	0

Second stage of algorithm—cumulative results						
acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain and designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
65	0	0	0	0	0	65
2	0	0	0	0	0	2
1	0	0	0	0	0	1
31	0	0	0	0	0	31
14	0	0	0	0	0	14
1	0	0	0	0	0	1
1	0	0	0	0	0	1
1	0	0	0	0	0	1
4	0	0	0	0	0	4
28	0	0	0	0	0	28
2	0	0	0	0	0	2
152	0	0	0	0	0	152
2163	0	0	0	0	0	2163
353	0	0	0	0	0	353
321	0	0	0	0	0	321
7	0	0	0	0	0	7
3	0	0	0	0	0	3
835	0	0	0	0	0	835
330	0	0	0	0	0	330
115	0	0	0	0	0	115
2	0	0	0	0	0	2
47	0	0	0	0	0	47
35	0	0	0	0	0	35
21	0	0	0	0	0	21
97	0	0	0	0	0	97
107	0	0	0	0	0	107
139	0	0	0	0	0	139
228	0	0	0	0	0	228
324	0	0	0	0	0	324
3884	0	0	0	0	0	3884
155	0	0	0	0	0	155
934	0	0	0	0	0	934
16	0	0	0	0	0	16
223	0	0	0	0	0	223
588	0	0	0	0	0	588
45	0	0	0	0	0	45
273	0	0	0	0	1	273
78	0	0	0	0	0	78
63	0	0	0	0	0	63
306	0	0	0	0	0	306
63	0	0	0	0	0	63
238	0	0	0	0	0	238
137	0	0	0	0	0	137
9	0	0	0	0	0	9
20	0	0	0	0	0	20
134	0	0	0	0	0	134
3	0	0	0	0	0	3
5	0	0	0	0	0	5
583	0	0	0	0	0	583
3107	0	0	0	0	0	3107
340	0	0	0	0	0	340
281	0	0	0	0	0	281
16	0	0	0	0	0	16
24	0	0	0	0	0	24

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Table F-2. Summary of Army Algorithm Results by Occupational Series

Occupational series	Total positions	Army-designated acquisition positions	First stage		
			Acquisition position and designated	Possible error of omission	Uncertain designated
7002 PACKING	247	0	0	0	0
7004 PRESERVATION PACKAGING	44	0	0	0	0
7006 PRESERVATION SERVICING	16	0	0	0	0
7009 EQUIPMENT CLEANING	101	0	0	0	0
7301 MISC LAUNDRY, DRY CLEANING, & PRESSING	3	0	0	0	0
7304 LAUNDRY WORKING	139	0	0	0	0
7305 LAUNDRY MACHINE OPERATING	25	0	0	0	0
7306 PRESSING	38	0	0	0	0
7307 DRY CLEANING	3	0	0	0	0
7401 MISC FOOD PREPARATION & SERVING	21	0	0	0	0
7402 BAKING	37	0	0	0	0
7404 COOKING	537	0	0	0	0
7407 MEAT CUTTING	15	0	0	0	0
7408 FOOD SERVICE WORKING	1841	0	0	0	0
7420 WAITER	5	0	0	0	0
7601 MISCELLANEOUS PERSONAL SERVICES	12	0	0	0	0
7603 BARBERING	17	0	0	0	0
8201 MISC FLUID SYSTEMS MAINTENANCE	23	0	0	0	0
8255 PNEUDRAULIC SYSTEMS MECHANIC	163	0	0	0	0
8268 AIRCRAFT PNEUDRALIC SYSTEMS MECHANIC	70	0	0	0	0
8602 ACFT ENGINE MECHANIC	158	0	0	0	0
8610 SMALL ENGINE MECHANIC	62	0	0	0	0
8801 MISCELLANEOUS AIRCRAFT OVERHAUL	10	0	0	0	0
8810 AIRCRAFT PROPELLER MECHANIC	6	0	0	0	0
8840 ACFT MECH PARTS RPR	365	0	0	0	0
8852 AIRCRAFT MECHANIC	781	0	0	0	0
8862 AIRCRAFT SERVICING	20	0	0	0	0
9003 FILM ASSEMBLING AND REPAIRING	8	0	0	0	0
Total for Army	245815	25056	18085	2608	6680

ational Series

Total sitions	Army- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumu				
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	c
247	0	0	0	0	0	0	0	247	0	0	0	0
44	0	0	0	0	0	0	0	44	0	0	0	0
16	0	0	0	0	0	0	0	16	0	0	0	0
101	0	0	0	0	0	0	0	101	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0
139	0	0	0	0	0	0	0	139	0	0	0	0
25	0	0	0	0	0	0	0	25	0	0	0	0
38	0	0	0	0	0	0	0	38	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0
21	0	0	0	0	0	0	0	21	0	0	0	0
37	0	0	0	0	0	0	0	37	0	0	0	0
537	0	0	0	0	0	0	0	537	0	0	0	0
15	0	0	0	0	0	0	0	15	0	0	0	0
1841	0	0	0	0	0	0	0	1841	0	0	0	0
5	0	0	0	0	0	0	0	5	0	0	0	0
12	0	0	0	0	0	0	0	12	0	0	0	0
17	0	0	0	0	0	0	0	17	0	0	0	0
23	0	0	0	0	0	0	0	23	0	0	0	0
163	0	0	0	0	0	0	0	163	0	0	0	0
70	0	0	0	0	0	0	0	70	0	0	0	0
158	0	0	0	0	0	0	0	158	0	0	0	0
62	0	0	0	0	0	0	0	62	0	0	0	0
10	0	0	0	0	0	0	0	10	0	0	0	0
6	0	0	0	0	0	0	0	6	0	0	0	0
365	0	0	0	0	0	0	0	365	0	0	0	0
781	0	0	0	0	0	0	0	781	0	0	0	0
20	0	0	0	0	0	0	0	20	0	0	0	0
8	0	0	0	0	0	0	0	8	0	0	0	0
45815	25056	18085	2608	6680	50723	291	167428	22137	2851	1406	1329	

Second stage of algorithm—cumulative results						
Position not ated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
247	0	0	0	0	0	247
44	0	0	0	0	0	44
16	0	0	0	0	0	16
101	0	0	0	0	0	101
3	0	0	0	0	0	3
139	0	0	0	0	0	139
25	0	0	0	0	0	25
38	0	0	0	0	0	38
3	0	0	0	0	0	3
21	0	0	0	0	0	21
37	0	0	0	0	0	37
537	0	0	0	0	0	537
15	0	0	0	0	0	15
1841	0	0	0	0	0	1841
5	0	0	0	0	0	5
12	0	0	0	0	0	12
17	0	0	0	0	0	17
23	0	0	0	0	0	23
163	0	0	0	0	0	163
70	0	0	0	0	0	70
158	0	0	0	0	0	158
62	0	0	0	0	0	62
10	0	0	0	0	0	10
6	0	0	0	0	0	6
365	0	0	0	0	0	365
781	0	0	0	0	0	781
20	0	0	0	0	0	20
8	0	0	0	0	0	8
7428	22137	2851	1406	1329	1513	216579

③

Appendix G

SUMMARY DATA FROM THE AIR FORCE ALGORITHM RESULTS

This appendix contains summary data from the results of the Air Force algorithm. Table G-1 summarizes the results by major command. An Air Force-wide summary of results by occupational series is in Table G-2.

The following are explanations of what each data column heading in the Tables G-1 and G-2 means:

- ◆ *Major command*: the two-character Air Force major command code followed by the name of the command or activity.
- ◆ *Occupational series*: the civilian occupational series of the positions.
- ◆ *Total positions*: the total number of positions in the listed command or the listed occupational series.¹
- ◆ *Air Force-designated acquisition positions*: the number of positions that the input data indicated were designated as acquisition positions by the Air Force.
- ◆ *First stage of algorithm*: results of the screening process of the algorithm. Positions in the uncertain category of this stage are processed by the second stage (scoring, ranking, and cluster analysis) of the algorithm. The subheadings are as follows:
 - ◆ *Acquisition position and designated*—the screening process criteria for classifying the position as acquisition were met, and the Air Force had designated the position as an acquisition position.
 - ◆ *Possible error of omission*—the screening process criteria for classifying the position as acquisition were met, but the Air Force had not designated the position as an acquisition position.
 - ◆ *Uncertain designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, but the Air Force had designated the position as an acquisition position.

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- ◆ *Uncertain not designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, and the Air Force had not designated the position as an acquisition position.
 - ◆ *Possible error of commission*—the screening process criteria for classifying the position as nonacquisition were met, but the Air Force had designated the position as an acquisition position.
 - ◆ *Nonacquisition and not designated*—the screening process criteria for classifying the position as nonacquisition were met, and the Air Force had not designated the position as an acquisition position.
 - ◆ *Second stage of algorithm—cumulative results*: The column subheadings are the same as described above. The numbers in these columns are the result of adding to the numbers from the first stage results, the results of the second stage of the algorithm as applied to the first stage uncertain positions. The numbers of positions reflected in the “uncertain designated” and “uncertain not designated” columns are the remaining numbers of positions that the algorithm could classify as neither acquisition or nonacquisition.

¹ All column headings apply to either the total for the command or for the occupational series listed in the respective tables.

Table G-1. Summary of Air Force Algorithm Results by Major Command

Major command	Total positions	Air Force-designated acquisition positions	First stage of			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain designated
01 AIR FORCE MANAGEMENT ENGINEERING AGENCY	69	0	0	0	0	0
02 AIR FORCE INSPECTION AND SAFETY CENTER	27	2	1	0	1	1
03 AF OPERATIONAL TEST AND EVALUATION	206	11	9	3	2	2
04 AF CMD CNTRL COMM AND COMPUTER AGENCY	299	6	2	7	4	4
06 AIR FORCE AUDIT AGENCY	915	0	0	0	0	0
07 AIR FORCE OFFICE OF SPECIAL	410	0	0	0	0	0
08 AIR FORCE SECURITY POLICE AGENCY	19	0	0	0	0	0
09 AIR FORCE MANPOWER AND PERSONNEL CENTER	481	0	0	0	0	0
0B U S AIR FORCE ACADEMY	1730	64	53	1	9	9
0D U S AIR FORCES EUROPE	2928	95	85	4	7	7
0F AF LOGISTICS COMMAND (HISTORICAL)	23	0	0	0	0	0
0H AF SYSTEMS COMMAND (HISTORICAL)	4	0	0	0	0	0
0I AIR RESERVE PERSONNEL CENTER	528	0	0	0	0	0
0J AIR EDUCATION & TRAINING COMMAND	13964	483	430	15	13	13
0K AIR UNIVERSITY	1	0	0	0	0	0
0M HEADQUARTERS AIR FORCE RESERVE	15099	154	138	20	7	7
0N HEADQUARTERS USAF	892	64	40	63	24	24
0Q MILITARY AIRLIFT COMMAND (HISTORICAL)	5	0	0	0	0	0
0R PACIFIC AIR FORCES	4125	112	108	11	4	4
0S STRATEGIC AIR COMMAND (HISTORICAL)	7	1	1	0	0	0
0T TACTICAL AIR COMMAND (HISTORICAL)	15	1	1	0	0	0
0U AF INTELLIGENCE COMMAND	2129	110	44	43	59	59
0V SPECIAL OPERATIONS COMMAND	515	31	31	0	0	0
0Y AIR FORCE COMMUNICATIONS COMMAND	1	0	0	0	0	0
1C AIR COMBAT COMMAND	13768	534	448	29	68	68
1G AIR FORCE LOGISTICS MANAGEMENT AGENCY	21	1	0	0	1	1
1L AIR MOBILITY COMMAND	9734	383	347	11	33	33
1M AIR FORCE MATERIEL COMMAND	76784	21638	14633	2254	3931	3931
1Q HQ AF FLIGHT STANDARD AGENCY	19	0	0	0	0	0
1S SPACE COMMAND	5028	554	472	35	72	72
1W AIR FORCE ENGINEERING GROUP SUPPORT	152	1	0	0	0	0
1X AF COMMISSARY SERVICE (HISTORICAL)	9	0	0	0	0	0
2A AIR FORCE COST ANALYSIS AGENCY	78	4	0	14	4	4
2B AIR FORCE DOCTRINE CENTER	4	0	0	0	0	0
2C AF CIVILIAN PERSONNEL MANAGEMENT CENTER	1778	402	302	299	67	67
2D AF PERSONNEL OPERATIONS AGENCY	30	1	0	0	0	0
2E AIR FORCE LEGAL SERVICES AGENCY	134	0	0	0	0	0
2F AIR FORCE MEDICAL SUPPORT AGENCY	46	12	12	0	0	0
2G AF SERVICE NEWS AGENCY	76	0	0	0	0	0
2H AIR FORCE COMBAT OPERATIONS STAFF	14	0	0	0	0	0
2I NGS AIR NATIONAL GUARD READINESS CENTER	489	23	21	0	0	0
2K US AIR FORCE HISTORICAL RESEARCH CENTER	51	0	0	0	0	0
2M AIR FORCE REVIEW BOARDS AGENCY	34	0	0	0	0	0
2N AIR FORCE STUDY AND ANALYSES AGENCY	24	0	0	0	0	0
2Q AIR WEATHER SERVICE	229	11	1	0	9	9
2R AIR FORCE PROGRAM EXECUTIVE OFFICE	14	4	4	1	0	0
2S HQ NORTH AMERICAN DEFENSE COMMAND	31	0	0	0	0	0
2T AIR FORCE SAFETY AGENCY	67	0	0	0	0	0
2U AIR FORCE SERVICES AGENCY	195	0	0	0	0	0
2V AIR FORCE DISPOSAL AGENCY	326	20	18	1	2	2
2W AF DISTRICT OF WASHINGTON (AFDW) DC	1078	51	51	12	0	0
2X AIR FORCE REAL ESTATE AGENCY	12	0	0	0	0	0
2Y 7TH COMMUNICATIONS GROUP	282	5	0	0	5	5
2Z HQ AF MEDICAL OPERATIONS AGENCY	408	1	1	0	0	0

Air Force- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative re				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	53	0	16	0	0	0	0	0
2	1	0	1	3	0	22	2	0	0	0	0
11	9	3	2	90	0	102	9	3	0	2	2
6	2	7	4	214	0	72	2	7	0	0	4
0	0	0	0	789	0	126	0	0	0	0	0
0	0	0	0	26	0	384	0	0	0	0	0
0	0	0	0	4	0	15	0	0	0	0	0
0	0	0	0	190	0	291	0	0	0	0	0
64	53	1	9	153	2	1512	53	1	3	1	8
95	85	4	7	375	3	2454	85	4	3	0	7
0	0	0	0	3	0	20	0	0	0	0	0
0	0	0	0	2	0	2	0	0	0	0	0
0	0	0	0	35	0	493	0	0	0	0	0
483	430	15	13	1614	40	11852	430	15	7	0	46
0	0	0	0	0	0	1	0	0	0	0	0
154	138	20	7	1838	9	13087	140	20	3	0	11
64	40	63	24	311	0	454	43	63	7	2	14
0	0	0	0	0	0	5	0	0	0	0	0
112	108	11	4	638	0	3364	108	11	3	0	1
1	1	0	0	0	0	6	1	0	0	0	0
1	1	0	0	1	0	13	1	0	0	0	0
110	44	43	59	767	7	1209	44	43	12	4	54
31	31	0	0	116	0	368	31	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
534	448	29	68	2143	18	11062	483	29	17	5	34
1	0	0	1	8	0	12	0	0	0	0	1
383	347	11	33	1213	3	8127	347	11	6	1	30
21638	14633	2254	3931	7619	3074	45273	16898	2493	1429	2199	3311
0	0	0	0	6	0	13	0	0	0	0	0
554	472	35	72	1154	10	3285	486	35	16	19	52
1	0	0	0	60	1	91	0	0	0	0	1
0	0	0	0	0	0	9	0	0	0	0	0
4	0	14	4	47	0	13	0	14	1	1	3
0	0	0	0	2	0	2	0	0	0	0	0
402	302	299	67	669	33	408	302	300	22	44	78
1	0	0	0	6	1	23	0	0	0	0	1
0	0	0	0	16	0	118	0	0	0	0	0
12	12	0	0	13	0	21	12	0	0	0	0
0	0	0	0	14	0	62	0	0	0	0	0
0	0	0	0	9	0	5	0	0	0	0	0
23	21	0	0	200	2	266	21	0	0	0	2
0	0	0	0	3	0	48	0	0	0	0	0
0	0	0	0	3	0	31	0	0	0	0	0
0	0	0	0	14	0	10	0	0	0	0	0
11	1	0	9	107	1	111	4	0	2	0	5
4	4	1	0	2	0	7	4	2	0	1	0
0	0	0	0	7	0	24	0	0	0	0	0
0	0	0	0	31	0	36	0	0	0	0	0
0	0	0	0	107	0	88	0	0	0	0	0
20	18	1	2	199	0	106	18	1	0	0	2
51	51	12	0	254	0	761	51	12	0	1	0
0	0	0	0	10	0	2	0	0	0	0	0
5	0	0	5	220	0	57	0	0	0	0	5
1	1	0	0	4	0	403	1	0	0	0	0

Second stage of algorithm—cumulative results						
Position not ated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
16	0	0	0	0	0	69
22	2	0	0	0	0	25
102	9	3	0	2	2	190
72	2	7	0	0	4	286
126	0	0	0	0	0	915
384	0	0	0	0	0	410
15	0	0	0	0	0	19
291	0	0	0	0	0	481
1512	53	1	3	1	8	1664
2454	85	4	3	0	7	2829
20	0	0	0	0	0	23
2	0	0	0	0	0	4
493	0	0	0	0	0	528
1852	430	15	7	0	46	13466
1	0	0	0	0	0	1
3087	140	20	3	0	11	14925
454	43	63	7	2	14	763
5	0	0	0	0	0	5
3364	108	11	3	0	1	4002
6	1	0	0	0	0	6
13	1	0	0	0	0	14
1209	44	43	12	4	54	1972
368	31	0	0	0	0	484
1	0	0	0	0	0	1
1062	483	29	17	5	34	13200
12	0	0	0	0	1	20
8127	347	11	6	1	30	9339
5273	16898	2493	1429	2199	3311	50454
13	0	0	0	0	0	19
3285	486	35	16	19	52	4420
91	0	0	0	0	1	151
9	0	0	0	0	0	9
13	0	14	1	1	3	59
2	0	0	0	0	0	4
408	302	300	22	44	78	1032
23	0	0	0	0	1	29
118	0	0	0	0	0	134
21	12	0	0	0	0	34
62	0	0	0	0	0	76
5	0	0	0	0	0	14
266	21	0	0	0	2	466
48	0	0	0	0	0	51
31	0	0	0	0	0	34
10	0	0	0	0	0	24
111	4	0	2	0	5	218
7	4	2	0	1	0	7
24	0	0	0	0	0	31
36	0	0	0	0	0	67
88	0	0	0	0	0	195
106	18	1	0	0	2	305
761	51	12	0	1	0	1014
2	0	0	0	0	0	12
57	0	0	0	0	5	277
403	1	0	0	0	0	407

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Table G-1. Summary of Air Force Algorithm Results by Major Command

Major command	Total positions	Air Force-designated acquisition positions	First stage of algorithm			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncert not designa
34 AIR NATIONAL GUARD UNITS	1137	24	24	0	0	
3C AIR FORCE ELEMENTS U S CENTRAL COMMAND	136	2	2	1	0	
3D AIR FORCE ELEMENTS US SPECIAL OPERATIONS	311	84	28	0	46	
3G AIR FORCE ELEMENTS EUROPE	10	0	0	7	0	
3L CENTER FOR AIR FORCE HISTORY	26	0	0	0	0	
3Q U S STRATEGIC COMMAND	318	0	0	0	0	
3S AIR FORCE U S SPACE COMMAND AND NORAD	127	8	0	0	8	
3T AIR FORCE ELEMENTS US TRANSPORTATION	236	10	5	0	5	
3V AIR FORCE ELEMENTS OTHER THAN EUROPE	904	99	68	55	31	
3W AF CENTER FOR ENVIRONMENTAL EXCELLENCE	357	77	76	0	1	
3Y AIR FORCE FREQUENCY MANAGEMENT AGENCY	18	0	0	0	0	
3Z JOINT SVCS SURV EVASION RESISTANCE &	49	0	0	0	0	
87 UNKNOWN	1	0	0	0	0	
Total for Component: AF	158937	25083	17456	2886	4413	22

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ce- ted tion ns	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonac- and desig
24	24	0	0	84	0	1029	24	0	0	0	0	0
2	2	1	0	35	0	98	2	1	0	0	0	0
84	28	0	46	85	10	142	47	0	18	15	19	
0	0	7	0	1	0	2	0	7	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0
0	0	0	0	177	0	141	0	0	0	0	0	0
8	0	0	8	23	0	96	7	0	0	1	1	
10	5	0	5	77	0	149	5	0	2	0	3	
99	68	55	31	154	0	596	88	55	1	4	10	
77	76	0	1	188	0	92	76	0	1	2	0	
0	0	0	0	17	0	1	0	0	0	0	0	
0	0	0	0	5	0	44	0	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	0	
083	17456	2886	4413	22208	3214	108760	19825	3127	1553	2302	3705	

Second stage of algorithm—cumulative results						
tion ed	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
029	24	0	0	0	0	1113
98	2	1	0	0	0	133
142	47	0	18	15	19	212
2	0	7	0	0	0	3
26	0	0	0	0	0	26
141	0	0	0	0	0	318
96	7	0	0	1	1	118
149	5	0	2	0	3	226
596	88	55	1	4	10	746
92	76	0	1	2	0	278
1	0	0	0	0	0	18
44	0	0	0	0	0	49
1	0	0	0	0	0	1
760	19825	3127	1553	2302	3705	128425

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Table G-2. Summary of Air Force Algorithm Results by Occupational Series

Occupational series	Total positions	Air Force-designated acquisition positions	First stage of algorithm			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
0018 * SAFETY AND OCCUPATIONAL HEALTH	415	8	6	12	2	
0019 SAFETY TECHNICIAN	12	0	0	0	0	
0020 COMMUNITY PLANNING	92	1	0	0	0	
0025 PARK RANGER	8	0	0	0	0	
0028 * ENVIRONMENTAL PROTECTION SPECIALIST	433	1	0	19	1	
0029 ENVIRONMENTAL PROTECTION ASSISTANT	65	1	0	0	0	
0030 SPORTS SPECIALIST	148	0	0	0	0	
0050 FUNERAL DIRECTING	18	0	0	0	0	
0060 CHAPLAIN	64	0	0	0	0	
0062 CLOTHING DESIGN	6	4	0	0	0	
0080 SECURITY ADMINISTRATION	727	115	0	0	0	
0081 FIRE PROTECTION AND PREVENTION	2570	0	0	0	0	
0083 POLICE	197	0	0	0	0	
0085 SECURITY GUARD	495	0	0	0	0	
0086 SECURITY CLERICAL AND ASSISTANCE	204	5	0	0	0	
0099 GENERAL STUDENT TRAINEE	7	0	0	0	0	
0101 SOCIAL SCIENCE	787	1	0	0	0	
0102 SOCIAL SCIENCE AID AND TECHNICIAN	76	0	0	0	0	
0110 * ECONOMIST	2	0	0	0	0	
0131 INTERNATIONAL RELATIONS	2	0	0	0	0	
0132 INTELLIGENCE	752	13	0	0	0	
0134 INTELLIGENCE AID AND CLERK	92	0	0	0	0	
0170 HISTORY	163	0	0	0	0	
0180 * PSYCHOLOGY	185	97	95	24	2	
0181 PSYCHOLOGY AID AND TECHNICIAN	2	0	0	0	0	
0185 SOCIAL WORK	192	0	0	0	0	
0186 SOCIAL SERVICES AID AND ASSISTANT	88	0	0	0	0	
0187 SOCIAL SERVICES	10	0	0	0	0	
0188 RECREATION SPECIALIST	405	2	0	0	0	
0189 RECREATION AID AND ASSISTANT	369	0	0	0	0	
0190 GENERAL ANTHROPOLOGY	5	2	0	0	0	
0193 ARCHEOLOGY	16	0	0	0	0	
0199 SOCIAL SCIENCE STUDENT TRAINEE	4	0	0	0	0	
0201 PERSONNEL MANAGEMENT	1131	3	0	0	0	
0203 PERSONNEL CLERICAL AND ASSISTANCE	1009	0	0	0	0	
0204 MILITARY PERSONNEL CLERICAL AND	1141	0	0	0	0	
0205 MILITARY PERSONNEL MANAGEMENT	491	0	0	0	0	
0212 PERSONNEL STAFFING	85	0	0	0	0	
0221 POSITION CLASSIFICATION	301	0	0	0	0	
0222 OCCUPATIONAL ANALYSIS	22	0	0	0	0	
0230 EMPLOYEE RELATIONS	290	1	0	0	0	
0233 LABOR RELATIONS	64	0	0	0	0	
0235 EMPLOYEE DEVELOPMENT	143	1	0	0	0	
0246 CONTRACTOR INDUSTRIAL RELATIONS	5	2	0	0	0	
0260 EQUAL EMPLOYMENT OPPORTUNITY	107	0	0	0	0	
0299 PERSONNEL MANAGEMENT STUDENT TRAINEE	10	0	0	0	0	
0301 * MISCELLANEOUS ADMINISTRATION & PROGRAM	3970	795	571	417	224	2
0303 MISCELLANEOUS CLERK & ASSISTANT	3725	11	0	0	0	
0304 INFORMATION RECEPTIONIST	54	0	0	0	0	
0305 MAIL AND FILE	336	0	0	0	0	
0309 CORRESPONDENCE CLERK	4	0	0	0	0	
0312 CLERK-STENOGRAPHER AND REPORTER	28	0	0	0	0	
0313 WORK UNIT SUPERVISING	1	0	0	0	0	
0318 SECRETARY	10562	10	0	0	0	
0319 CLOSED MICROPHONE REPORTING	101	0	0	0	0	
0322 CLERK-TYPIST	99	0	0	0	0	
0326 OFFICE AUTOMATION CLERICAL AND	1706	2	0	0	0	
0332 COMPUTER OPERATION	388	0	0	0	0	
0334 * COMPUTER SPECIALIST	3663	667	93	175	574	2
0335 COMPUTER CLERK & ASSISTANT	649	3	0	0	0	
0340 * PROGRAM MANAGEMENT	42	12	10	2	2	

Air Force- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error comm
8	6	12	2	395	0	0	6	12	1	1	
0	0	0	0	0	0	12	0	0	0	0	
1	0	0	0	0	1	91	0	0	0	0	
0	0	0	0	0	0	8	0	0	0	0	
1	0	19	1	413	0	0	0	19	1	0	
1	0	0	0	0	1	64	0	0	0	0	
0	0	0	0	0	0	148	0	0	0	0	
0	0	0	0	0	0	18	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	
4	0	0	0	0	4	2	0	0	0	0	
115	0	0	0	0	115	612	0	0	0	0	
0	0	0	0	0	0	2570	0	0	0	0	
0	0	0	0	0	0	197	0	0	0	0	
0	0	0	0	0	0	495	0	0	0	0	
5	0	0	0	0	5	199	0	0	0	0	
0	0	0	0	0	0	7	0	0	0	0	
1	0	0	0	0	1	786	0	0	0	0	
0	0	0	0	0	0	76	0	0	0	0	
0	0	0	0	2	0	0	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	
13	0	0	0	0	13	739	0	0	0	0	
0	0	0	0	0	0	92	0	0	0	0	
0	0	0	0	0	0	163	0	0	0	0	
97	95	24	2	64	0	0	97	24	0	6	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	192	0	0	0	0	
0	0	0	0	0	0	88	0	0	0	0	
0	0	0	0	0	0	10	0	0	0	0	
2	0	0	0	0	2	403	0	0	0	0	
0	0	0	0	0	0	369	0	0	0	0	
2	0	0	0	0	2	3	0	0	0	0	
0	0	0	0	0	0	16	0	0	0	0	
0	0	0	0	0	0	4	0	0	0	0	
3	0	0	0	0	3	1128	0	0	0	0	
0	0	0	0	0	0	1009	0	0	0	0	
0	0	0	0	0	0	1141	0	0	0	0	
0	0	0	0	0	0	491	0	0	0	0	
0	0	0	0	0	0	85	0	0	0	0	
0	0	0	0	0	0	301	0	0	0	0	
0	0	0	0	0	0	22	0	0	0	0	
1	0	0	0	0	1	289	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	
1	0	0	0	0	1	142	0	0	0	0	
2	0	0	0	0	2	3	0	0	0	0	
0	0	0	0	0	0	107	0	0	0	0	
0	0	0	0	0	0	10	0	0	0	0	
795	571	417	224	2758	0	0	573	417	128	118	
11	0	0	0	0	11	3714	0	0	0	0	
0	0	0	0	0	0	54	0	0	0	0	
0	0	0	0	0	0	336	0	0	0	0	
0	0	0	0	0	0	4	0	0	0	0	
0	0	0	0	0	0	28	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
10	0	0	0	0	10	10552	0	0	0	0	
0	0	0	0	0	0	101	0	0	0	0	
0	0	0	0	0	0	99	0	0	0	0	
2	0	0	0	0	2	1704	0	0	0	0	
0	0	0	0	0	0	388	0	0	0	0	
667	93	175	574	2821	0	0	98	175	482	171	
3	0	0	0	0	3	646	0	0	0	0	
12	10	2	2	28	0	0	11	2	1	0	

Second stage of algorithm—cumulative results						
Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	6	12	1	1	1	394
12	0	0	0	0	0	12
91	0	0	0	0	1	91
8	0	0	0	0	0	8
0	0	19	1	0	0	413
64	0	0	0	0	1	64
148	0	0	0	0	0	148
18	0	0	0	0	0	18
64	0	0	0	0	0	64
2	0	0	0	0	4	2
612	0	0	0	0	115	612
2570	0	0	0	0	0	2570
197	0	0	0	0	0	197
495	0	0	0	0	0	495
199	0	0	0	0	5	199
7	0	0	0	0	0	7
786	0	0	0	0	1	786
76	0	0	0	0	0	76
0	0	0	0	0	0	2
2	0	0	0	0	0	2
739	0	0	0	0	13	739
92	0	0	0	0	0	92
163	0	0	0	0	0	163
0	97	24	0	6	0	58
2	0	0	0	0	0	2
192	0	0	0	0	0	192
88	0	0	0	0	0	88
10	0	0	0	0	0	10
403	0	0	0	0	2	403
369	0	0	0	0	0	369
3	0	0	0	0	2	3
16	0	0	0	0	0	16
4	0	0	0	0	0	4
1128	0	0	0	0	3	1128
1009	0	0	0	0	0	1009
1141	0	0	0	0	0	1141
491	0	0	0	0	0	491
85	0	0	0	0	0	85
301	0	0	0	0	0	301
22	0	0	0	0	0	22
289	0	0	0	0	1	289
64	0	0	0	0	0	64
142	0	0	0	0	1	142
3	0	0	0	0	2	3
107	0	0	0	0	0	107
10	0	0	0	0	0	10
0	573	417	128	118	94	2640
3714	0	0	0	0	11	3714
54	0	0	0	0	0	54
336	0	0	0	0	0	336
4	0	0	0	0	0	4
28	0	0	0	0	0	28
1	0	0	0	0	0	1
10552	0	0	0	0	10	10552
101	0	0	0	0	0	101
99	0	0	0	0	0	99
1704	0	0	0	0	2	1704
388	0	0	0	0	0	388
0	98	175	482	171	87	2650
646	0	0	0	0	3	646
0	11	2	1	0	0	28

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Table G-2. Summary of Air Force Algorithm Results by Occupational Series

Occupational series		Total positions	Air Force-designated acquisition positions	First stage of algorithm			
				Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
0341	ADMINISTRATIVE OFFICER	106	7	0	0	0	
0342	SUPPORT SERVICES ADMINISTRATION	119	0	0	0	0	
0343	MANAGEMENT AND PROGRAM ANALYSIS	3065	513	183	311	330	22
0344	MANAGEMENT CLERICAL AND ASSISTANCE	1238	5	0	0	0	
0346	LOGISTICS MANAGEMENT	2995	2195	1776	243	419	5
0350	EQUIPMENT OPERATOR	36	0	0	0	0	
0351	PRINTING CLERICAL	3	0	0	0	0	
0356	DATA TRANSCRIBER	42	0	0	0	0	
0357	CODING	11	0	0	0	0	
0359	ELECTRIC ACCOUNTING MACHINE OPERATION	2	0	0	0	0	
0360	EQUAL OPPORTUNITY COMPLIANCE	1	0	0	0	0	
0361	EQUAL OPPORTUNITY ASSISTANCE	21	0	0	0	0	
0382	TELEPHONE OPERATING	502	0	0	0	0	
0390	TELECOMMUNICATIONS PROCESSING	159	0	0	0	0	
0391	TELECOMMUNICATIONS	747	81	11	20	70	6
0392	GENERAL TELECOMMUNICATIONS	62	0	0	6	0	
0394	COMMUNICATIONS CLERICAL	46	0	0	0	0	
0399	ADMINISTRATIVE/OFFICE SUPPORT STUDENT	93	0	0	0	0	
0401	GENERAL BIOLOGICAL SCIENCE	88	3	3	2	0	
0403	MICROBIOLOGY	22	2	2	9	0	
0404	BIOLOGICAL SCIENCE TECHNICIAN	32	0	0	0	0	
0408	ECOLOGY	1	0	0	0	0	
0413	PHYSIOLOGY	25	14	13	9	1	
0414	ENTOMOLOGY	4	0	0	0	0	
0415	TOXICOLOGY	12	2	2	1	0	
0430	BOTANY	2	0	0	0	0	
0454	RANGE CONSERVATION	2	0	0	0	0	
0455	RANGE TECHNICIAN	1	0	0	0	0	
0460	FORESTRY	15	0	0	0	0	
0462	FORESTRY TECHNICIAN	19	0	0	0	0	
0470	SOIL SCIENCE	1	0	0	0	0	
0471	AGRONOMY	5	0	0	0	0	
0486	WILDLIFE BIOLOGY	10	0	0	0	0	
0499	BIOLOGICAL SCIENCE STUDENT TRAINEE	1	0	0	0	0	
0501	FINANCIAL ADMINISTRATION AND PROGRAM	1302	674	450	96	224	5
0503	FINANCIAL CLERICAL AND ASSISTANCE	311	1	0	0	0	
0505	FINANCIAL MANAGEMENT	64	15	3	4	12	
0510	ACCOUNTING	447	72	12	6	60	3
0511	AUDITING	857	18	0	0	18	8
0512	INTERNAL REVENUE AGENT	1	0	0	0	0	
0525	ACCOUNTING TECHNICIAN	888	4	0	0	0	
0526	TAX TECHNICIAN	3	0	0	0	0	
0530	CASH PROCESSING	73	0	0	0	0	
0540	VOUCHER EXAMINING	91	0	0	0	0	
0544	CIVILIAN PAY	168	0	0	0	0	
0545	MILITARY PAY	253	0	0	0	0	
0560	BUDGET ANALYSIS	1796	375	181	173	194	12
0561	BUDGET CLERICAL AND ASSISTANCE	452	57	0	0	0	
0599	FINANCIAL MANAGEMENT STUDENT TRAINEE	29	1	0	0	0	
0601	GENERAL HEALTH SCIENCE	43	0	0	0	0	
0602	MEDICAL OFFICER	71	1	0	0	0	
0603	PHYSICIAN'S ASSISTANT	17	0	0	0	0	
0610	NURSE	747	0	0	0	0	
0620	PRACTICAL NURSE	306	0	0	0	0	
0621	NURSING ASSISTANT	178	0	0	0	0	
0622	MEDICAL SUPPLY AIDE AND TECHNICIAN	54	0	0	0	0	
0625	AUTOPSY ASSISTANT	1	0	0	0	0	
0630	DIETITIAN AND NUTRITIONIST	6	0	0	0	0	
0631	OCCUPATIONAL THERAPIST	2	0	0	0	0	
0633	PHYSICAL THERAPIST	11	0	0	0	0	
0636	REHABILITATION THERAPY ASSISTANT	4	0	0	0	0	

Occupational Series

r Force- signation acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative re				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
7	0	0	0	0	0	7	99	0	0	0	0
0	0	0	0	0	0	0	119	0	0	0	0
513	183	311	330	2241	0	0	196	311	232	86	8
5	0	0	0	0	0	5	1233	0	0	0	0
2195	1776	243	419	557	0	0	2170	289	17	74	
0	0	0	0	0	0	0	36	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	42	0	0	0	0
0	0	0	0	0	0	0	11	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	21	0	0	0	0
0	0	0	0	0	0	0	502	0	0	0	0
0	0	0	0	0	0	0	159	0	0	0	0
81	11	20	70	646	0	0	11	20	29	1	4
0	0	6	0	56	0	0	0	6	0	0	0
0	0	0	0	0	0	0	46	0	0	0	0
0	0	0	0	0	0	0	93	0	0	0	0
3	3	2	0	83	0	0	3	2	0	0	0
2	2	9	0	11	0	0	2	9	0	0	0
0	0	0	0	0	0	0	32	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0
14	13	9	1	2	0	0	14	9	0	0	0
0	0	0	0	4	0	0	0	0	0	0	0
2	2	1	0	9	0	0	2	1	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	15	0	0	0	0	0	0	0
0	0	0	0	0	0	0	19	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	10	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
674	450	96	224	532	0	0	646	123	18	61	1
1	0	0	0	0	1	310	0	0	0	0	0
15	3	4	12	45	0	0	15	4	0	7	
72	12	6	60	369	0	0	12	6	54	31	
18	0	0	18	839	0	0	4	0	14	12	
0	0	0	0	0	0	1	0	0	0	0	
4	0	0	0	0	4	884	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	
0	0	0	0	0	0	73	0	0	0	0	
0	0	0	0	0	0	91	0	0	0	0	
0	0	0	0	0	0	168	0	0	0	0	
0	0	0	0	0	0	253	0	0	0	0	
375	181	173	194	1248	0	0	294	191	73	103	
57	0	0	0	0	57	395	0	0	0	0	5
1	0	0	0	0	1	28	0	0	0	0	
0	0	0	0	0	0	43	0	0	0	0	
1	0	0	0	0	1	70	0	0	0	0	
0	0	0	0	0	0	17	0	0	0	0	
0	0	0	0	0	0	747	0	0	0	0	
0	0	0	0	0	0	306	0	0	0	0	
0	0	0	0	0	0	178	0	0	0	0	
0	0	0	0	0	0	54	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	11	0	0	0	0	
0	0	0	0	0	0	4	0	0	0	0	

Second stage of algorithm—cumulative results

quisition ition and signed	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	7	99
0	0	0	0	0	119
196	311	232	86	85	2155
0	0	0	0	5	1233
2170	289	17	74	8	437
0	0	0	0	0	36
0	0	0	0	0	3
0	0	0	0	0	42
0	0	0	0	0	11
0	0	0	0	0	2
0	0	0	0	0	1
0	0	0	0	0	21
0	0	0	0	0	502
0	0	0	0	0	159
11	20	29	1	41	645
0	6	0	0	0	56
0	0	0	0	0	46
0	0	0	0	0	93
3	2	0	0	0	83
2	9	0	0	0	11
0	0	0	0	0	32
0	0	0	0	0	1
14	9	0	0	0	2
0	0	0	0	0	4
2	1	0	0	0	9
0	0	0	0	0	2
0	0	0	0	0	2
0	0	0	0	0	1
0	0	0	0	0	15
0	0	0	0	0	19
0	0	0	0	0	1
0	0	0	0	0	5
0	0	0	0	0	10
0	0	0	0	0	1
646	123	18	61	10	444
0	0	0	0	1	310
15	4	0	7	0	38
12	6	54	31	6	338
4	0	14	12	0	827
0	0	0	0	0	1
0	0	0	0	4	884
0	0	0	0	0	3
0	0	0	0	0	73
0	0	0	0	0	91
0	0	0	0	0	168
0	0	0	0	0	253
294	191	73	103	8	1127
0	0	0	0	57	395
0	0	0	0	1	28
0	0	0	0	0	43
0	0	0	0	1	70
0	0	0	0	0	17
0	0	0	0	0	747
0	0	0	0	0	306
0	0	0	0	0	178
0	0	0	0	0	54
0	0	0	0	0	1
0	0	0	0	0	6
0	0	0	0	0	2
0	0	0	0	0	11
0	0	0	0	0	4

3

Table G-2. Summary of Air Force Algorithm Results by Occupational Series

Occupational series		Total positions	Air Force-designated acquisition positions	First stage of algorithm			
				Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
0640	HEALTH AID AND TECHNICIAN	349	0	0	0	0	0
0642	NUCLEAR MEDICINE TECHNICIAN	3	0	0	0	0	0
0644	MEDICAL TECHNOLOGIST	168	0	0	0	0	0
0645	MEDICAL TECHNICIAN	120	0	0	0	0	0
0646	PATHOLOGY TECHNICIAN	14	0	0	0	0	0
0647	DIAGNOSTIC RADIOLOGIC TECHNOLOGIST	78	0	0	0	0	0
0649	MEDICAL INSTRUMENT TECHNICIAN	84	0	0	0	0	0
0651	RESPIRATORY THERAPIST	22	0	0	0	0	0
0660	PHARMACIST	29	0	0	0	0	0
0661	PHARMACY TECHNICIAN	100	0	0	0	0	0
0662	OPTOMETRIST	2	0	0	0	0	0
0664	RESTORATION TECHNICIAN	1	0	0	0	0	0
0665	SPEECH PATHOLOGY AND AUDIOLOGY	8	1	0	0	0	0
0667	ORTHOTIST AND PROSTHETIST	6	0	0	0	0	0
0669	MEDICAL RECORDS ADMINISTRATION	40	0	0	0	0	0
0670	HEALTH SYSTEM ADMINISTRATION	5	0	0	0	0	0
0671	HEALTH SYSTEM SPECIALIST	149	0	0	0	0	0
0673	HOSPITAL HOUSEKEEPING MANAGEMENT	2	0	0	0	0	0
0675	MEDICAL RECORD TECHNICIAN	320	0	0	0	0	0
0679	MEDICAL CLERK	899	0	0	0	0	0
0680	DENTAL OFFICER	9	0	0	0	0	0
0681	DENTAL ASSISTANT	94	0	0	0	0	0
0682	DENTAL HYGIENE	37	0	0	0	0	0
0683	DENTAL LABORATORY AID AND TECHNICIAN	62	0	0	0	0	0
0690	INDUSTRIAL HYGIENE	57	0	0	0	0	0
0698	ENVIRONMENTAL HEALTH TECHNICIAN	55	0	0	0	0	0
0699	MEDICAL & HEALTH STUDENT TRAINEE	42	0	0	0	0	0
0701	VETERINARY MEDICAL SCIENCE	3	1	0	0	0	0
0801	GENERAL ENGINEERING	1993	938	809	69	129	9
0802	ENGINEERING TECHNICIAN	1402	75	0	0	0	0
0803	SAFETY ENGINEERING	96	26	12	2	14	0
0804	FIRE PREVENTION ENGINEERING	9	2	1	1	1	0
0806	MATERIALS ENGINEERING	282	228	202	43	26	0
0807	LANDSCAPE ARCHITECTURE	9	0	0	0	0	0
0808	ARCHITECTURE	204	3	1	3	2	1
0809	CONSTRUCTION CONTROL	369	1	0	2	1	3
0810	CIVIL ENGINEERING	405	32	4	12	28	3
0817	SURVEYING TECHNICIAN	8	0	0	0	0	0
0818	ENGINEERING DRAFTING	88	1	0	0	0	0
0819	ENVIRONMENTAL ENGINEERING	815	7	5	26	2	7
0828	CONSTRUCTION ANALYST	1	0	0	0	0	0
0830	MECHANICAL ENGINEERING	950	585	406	41	179	3
0840	NUCLEAR ENGINEERING	13	6	6	3	0	0
0850	ELECTRICAL ENGINEERING	306	70	52	18	18	2
0854	COMPUTER ENGINEERING	184	114	88	8	26	0
0855	ELECTRONICS ENGINEERING	5418	3856	2874	342	982	12
0856	ELECTRONICS TECHNICIAN	1517	24	0	0	0	0
0858	BIOMEDICAL ENGINEERING	11	8	8	2	0	0
0861	AEROSPACE ENGINEERING	1524	1244	1209	126	35	1
0871	NAVAL ARCHITECTURE	1	0	0	0	0	0
0873	SHIP SURVEYING	1	1	0	0	0	0
0892	CERAMIC ENGINEERING	1	0	0	1	0	0
0893	CHEMICAL ENGINEERING	82	36	25	5	11	0
0894	WELDING ENGINEERING	2	0	0	0	0	0
0895	INDUSTRIAL ENGINEERING TECHNICIAN	968	85	0	0	0	0
0896	INDUSTRIAL ENGINEERING	389	209	75	14	134	1
0899	ENGINEERING AND ARCHITECTURE STUDENT	59	3	0	0	0	0
0905	GENERAL ATTORNEY	305	2	0	0	0	0
0950	PARALEGAL SPECIALIST	61	0	0	0	0	0
0962	CONTACT REPRESENTATIVE	176	0	0	0	0	0
0963	LEGAL INSTRUMENTS EXAMINING	18	3	0	0	0	0

Occupational Series

Air Force- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	349	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	168	0	0	0	0	0
0	0	0	0	0	0	120	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0
0	0	0	0	0	0	78	0	0	0	0	0
0	0	0	0	0	0	84	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0
0	0	0	0	29	0	0	0	0	0	0	0
0	0	0	0	0	0	100	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
1	0	0	0	0	1	7	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	149	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	320	0	0	0	0	0
0	0	0	0	0	0	899	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	94	0	0	0	0	0
0	0	0	0	0	0	37	0	0	0	0	0
0	0	0	0	0	0	62	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	0
0	0	0	0	0	0	55	0	0	0	0	0
0	0	0	0	0	0	42	0	0	0	0	0
1	0	0	0	0	1	2	0	0	0	0	0
938	809	69	129	986	0	0	907	83	20	164	0
75	0	0	0	0	75	1327	0	0	0	0	0
26	12	2	14	68	0	0	19	2	6	3	0
2	1	1	1	6	0	0	2	1	0	0	0
228	202	43	26	11	0	0	228	43	0	9	0
0	0	0	0	0	0	9	0	0	0	0	0
3	1	3	2	198	0	0	1	3	0	0	0
1	0	2	1	366	0	0	0	2	0	0	0
32	4	12	28	361	0	0	4	12	19	0	0
0	0	0	0	0	0	8	0	0	0	0	0
1	0	0	0	0	1	87	0	0	0	0	0
7	5	26	2	782	0	0	5	26	2	1	0
0	0	0	0	1	0	0	0	0	0	0	0
585	406	41	179	324	0	0	518	48	64	122	0
6	6	3	0	4	0	0	6	3	0	0	0
70	52	18	18	218	0	0	52	18	16	4	0
114	88	8	26	62	0	0	105	22	9	17	0
3856	2874	342	982	1220	0	0	3768	403	52	672	0
24	0	0	0	0	24	1493	0	0	0	0	0
8	8	2	0	1	0	0	8	2	0	0	0
1244	1209	126	35	154	0	0	1237	129	0	12	0
0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
36	25	5	11	41	0	0	25	5	10	2	0
0	0	0	0	2	0	0	0	0	0	0	0
85	0	0	0	0	85	883	0	0	0	0	0
209	75	14	134	166	0	0	138	17	71	118	0
3	0	0	0	0	3	56	0	0	0	0	0
2	0	0	0	0	2	303	0	0	0	0	0
0	0	0	0	0	0	61	0	0	0	0	0
0	0	0	0	0	0	176	0	0	0	0	0
3	0	0	0	0	3	15	0	0	0	0	0

Second stage of algorithm—cumulative results

Position not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
349	0	0	0	0	0	349
3	0	0	0	0	0	3
168	0	0	0	0	0	168
120	0	0	0	0	0	120
14	0	0	0	0	0	14
78	0	0	0	0	0	78
84	0	0	0	0	0	84
22	0	0	0	0	0	22
0	0	0	0	0	0	29
100	0	0	0	0	0	100
2	0	0	0	0	0	2
1	0	0	0	0	0	1
7	0	0	0	0	1	7
6	0	0	0	0	0	6
40	0	0	0	0	0	40
5	0	0	0	0	0	5
149	0	0	0	0	0	149
2	0	0	0	0	0	2
320	0	0	0	0	0	320
899	0	0	0	0	0	899
9	0	0	0	0	0	9
94	0	0	0	0	0	94
37	0	0	0	0	0	37
62	0	0	0	0	0	62
57	0	0	0	0	0	57
55	0	0	0	0	0	55
42	0	0	0	0	0	42
2	0	0	0	0	1	2
0	907	83	20	164	11	808
1327	0	0	0	0	75	1327
0	19	2	6	3	1	65
0	2	1	0	0	0	6
0	228	43	0	9	0	2
9	0	0	0	0	0	9
0	1	3	0	0	2	198
0	0	2	0	0	1	366
0	4	12	19	0	9	361
8	0	0	0	0	0	8
87	0	0	0	0	1	87
0	5	26	2	1	0	781
0	0	0	0	0	0	1
0	518	48	64	122	3	195
0	6	3	0	0	0	4
0	52	18	16	4	2	214
0	105	22	9	17	0	31
0	3768	403	52	672	36	487
1493	0	0	0	0	24	1493
0	8	2	0	0	0	1
0	1237	129	0	12	7	139
0	0	0	0	0	0	1
0	0	0	0	0	1	0
0	0	1	0	0	0	0
0	25	5	10	2	1	39
0	0	0	0	0	0	2
883	0	0	0	0	85	883
0	138	17	71	118	0	45
56	0	0	0	0	3	56
303	0	0	0	0	2	303
61	0	0	0	0	0	61
176	0	0	0	0	0	176
15	0	0	0	0	3	15

Table G-2. Summary of Air Force Algorithm Results by Occupational Series

			First stage of algorithm			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
Occupational series	Total positions	Air Force-designated acquisition positions				
0986 LEGAL CLERICAL AND ASSISTANCE	130	0	0	0	0	
0990 GENERAL CLAIMS EXAMINING	44	0	0	0	0	
0991 WORKER'S COMPENSATION CLAIMS EXAMINING	1	0	0	0	0	
0992 LOSS AND DAMAGE CLAIMS EXAMINING	41	0	0	0	0	
0995 DEPENDENTS AND ESTATES CLAIMS EXAMINING	1	0	0	0	0	
0998 CLAIMS CLERICAL	31	0	0	0	0	
0999 LEGAL OCCUPATION STUDENT TRAINEE	5	0	0	0	0	
1001 GENERAL ARTS AND INFORMATION	130	0	0	0	0	
1008 INTERIOR DESIGN	32	0	0	0	0	
1010 EXHIBITS SPECIALIST	34	0	0	0	0	
1015 MUSEUM CURATOR	15	0	0	0	0	
1016 MUSEUM SPECIALIST AND TECHNICIAN	29	0	0	0	0	
1020 ILLUSTRATING	202	2	0	0	0	
1021 OFFICE DRAFTING	3	0	0	0	0	
1035 PUBLIC AFFAIRS	333	2	0	0	0	
1040 LANGUAGE SPECIALIST	27	0	0	0	0	
1046 LANGUAGE CLERICAL	13	0	0	0	0	
1051 MUSIC SPECIALIST	2	0	0	0	0	
1054 THEATER SPECIALIST	4	0	0	0	0	
1056 ART SPECIALIST	55	0	0	0	0	
1060 PHOTOGRAPHY	162	1	0	0	0	
1071 AUDIOVISUAL PRODUCTION	75	0	0	0	0	
1082 WRITING AND EDITING	135	4	0	0	0	
1083 TECHNICAL WRITING AND EDITING	151	34	0	0	0	
1084 VISUAL INFORMATION	196	1	0	0	0	
1087 EDITORIAL ASSISTANCE	222	0	0	0	0	
1099 INFORMATION AND ARTS STUDENT TRAINEE	8	0	0	0	0	
1101 * GENERAL BUSINESS AND INDUSTRY	2216	1050	872	195	178	97
1102 * CONTRACTING	4980	4922	4922	58	0	
1103 * INDUSTRIAL PROPERTY MANAGEMENT	63	61	40	2	21	
1104 * PROPERTY DISPOSAL	3	1	1	1	0	
1105 * PURCHASING	393	393	393	0	0	
1106 * PROCUREMENT CLERICAL AND ASSISTANCE	1076	1076	1076	0	0	
1107 PROPERTY DISPOSAL CLERICAL AND	2	1	0	0	0	
1130 * PUBLIC UTILITIES SPECIALIST	6	0	0	0	0	
1140 * TRADE SPECIALIST	1	0	0	0	0	
1150 * INDUSTRIAL SPECIALIST	111	68	64	17	4	2
1152 * PRODUCTION CONTROL	1570	92	0	8	92	147
1160 * FINANCIAL ANALYSIS	1	0	0	0	0	
1165 LOAN SPECIALIST	1	0	0	0	0	
1170 * REALTY	239	0	0	0	0	23
1171 * APPRAISING AND ASSESSING	1	0	0	0	0	
1173 HOUSING MANAGEMENT	840	3	0	0	0	
1176 BUILDING MANAGEMENT	6	0	0	0	0	
1199 BUSINESS AND INDUSTRY STUDENT TRAINEE	11	3	0	0	0	
1221 PATENT ADVISER	6	0	0	0	0	
1222 PATENT ATTORNEY	14	0	0	0	0	
1301 * GENERAL PHYSICAL SCIENCE	260	93	84	34	9	13
1306 * HEALTH PHYSICS	6	0	0	2	0	
1310 * PHYSICS	337	207	201	106	6	2
1311 PHYSICAL SCIENCE TECHNICIAN	106	0	0	0	0	
1313 * GEOPHYSICS	27	2	2	24	0	
1315 * HYDROLOGY	21	0	0	0	0	2
1320 * CHEMISTRY	303	126	85	56	41	12
1321 * METALLURGY	10	5	2	1	3	
1330 * ASTRONOMY AND SPACE SCIENCE	10	3	3	6	0	
1340 * METEOROLOGY	127	6	2	15	4	10
1341 METEOROLOGICAL TECHNICIAN	141	0	0	0	0	
1350 * GEOLOGY	21	0	0	0	0	2
1361 * NAVIGATIONAL INFORMATION	5	0	0	0	0	
1370 * CARTOGRAPHY	9	2	2	0	0	

First stage of algorithm						Second stage of algorithm—cumulative results					
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and designated
0	0	0	0	0	130	0	0	0	0	0	0
0	0	0	0	0	44	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	41	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	31	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	130	0	0	0	0	0	0
0	0	0	0	0	32	0	0	0	0	0	0
0	0	0	0	0	34	0	0	0	0	0	0
0	0	0	0	0	15	0	0	0	0	0	0
0	0	0	0	0	29	0	0	0	0	0	0
0	0	0	0	2	200	0	0	0	0	0	2
0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	2	331	0	0	0	0	0	2
0	0	0	0	0	27	0	0	0	0	0	0
0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	55	0	0	0	0	0	0
0	0	0	0	1	161	0	0	0	0	0	1
0	0	0	0	0	75	0	0	0	0	0	0
0	0	0	0	4	131	0	0	0	0	0	4
0	0	0	0	34	117	0	0	0	0	0	34
0	0	0	0	1	195	0	0	0	0	0	1
0	0	0	0	0	222	0	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0	0
872	195	178	971	0	0	961	208	86	351	0	3
4922	58	0	0	0	0	4922	58	0	0	0	0
40	2	21	0	0	0	60	2	1	0	0	0
1	1	0	1	0	0	1	1	0	0	0	0
393	0	0	0	0	0	393	0	0	0	0	0
1076	0	0	0	0	0	1076	0	0	0	0	0
0	0	0	0	1	1	0	0	0	0	0	1
0	0	0	6	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
64	17	4	26	0	0	68	18	0	22	0	0
0	8	92	1470	0	0	0	8	38	6	54	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	239	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	3	837	0	0	0	0	0	3
0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	3	8	0	0	0	0	0	3
0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0
84	34	9	133	0	0	84	34	7	2	2	0
0	2	0	4	0	0	0	2	0	0	0	0
201	106	6	24	0	0	206	107	0	11	1	0
0	0	0	0	0	106	0	0	0	0	0	0
2	24	0	1	0	0	2	24	0	0	0	0
0	0	0	21	0	0	0	0	0	0	0	0
85	56	41	121	0	0	85	56	41	4	0	0
2	1	3	4	0	0	2	1	3	3	0	0
3	6	0	1	0	0	3	6	0	1	0	0
2	15	4	106	0	0	2	15	3	0	1	0
0	0	0	0	0	141	0	0	0	0	0	0
0	0	0	21	0	0	0	0	0	0	0	0
0	0	0	5	0	0	0	0	0	0	0	0
2	0	0	7	0	0	2	0	0	0	0	0

Second stage of algorithm—cumulative results					
Acquisition tion and ignated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	130
0	0	0	0	0	44
0	0	0	0	0	1
0	0	0	0	0	41
0	0	0	0	0	1
0	0	0	0	0	31
0	0	0	0	0	5
0	0	0	0	0	130
0	0	0	0	0	32
0	0	0	0	0	34
0	0	0	0	0	15
0	0	0	0	0	29
0	0	0	0	2	200
0	0	0	0	0	3
0	0	0	0	2	331
0	0	0	0	0	27
0	0	0	0	0	13
0	0	0	0	0	2
0	0	0	0	0	4
0	0	0	0	0	55
0	0	0	0	1	161
0	0	0	0	0	75
0	0	0	0	4	131
0	0	0	0	34	117
0	0	0	0	1	195
0	0	0	0	0	222
0	0	0	0	0	8
961	208	86	351	3	607
4922	58	0	0	0	0
60	2	1	0	0	0
1	1	0	0	0	1
393	0	0	0	0	0
1076	0	0	0	0	0
0	0	0	0	1	1
0	0	0	0	0	6
0	0	0	0	0	1
68	18	0	22	0	3
0	8	38	6	54	1464
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	239
0	0	0	0	0	1
0	0	0	0	3	837
0	0	0	0	0	6
0	0	0	0	3	8
0	0	0	0	0	6
0	0	0	0	0	14
84	34	7	2	2	131
0	2	0	0	0	4
206	107	0	11	1	12
0	0	0	0	0	106
2	24	0	0	0	1
0	0	0	0	0	21
85	56	41	4	0	117
2	1	3	3	0	1
3	6	0	1	0	0
2	15	3	0	1	106
0	0	0	0	0	141
0	0	0	0	0	21
0	0	0	0	0	5
2	0	0	0	0	7

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Table G-2. Summary of Air Force Algorithm Results by Occupational Series

Occupational series	Total positions	Air Force-designated acquisition positions	First stage of algorithm			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain no design
1372 * GEODESY	2	0	0	0	0	0
1373 LAND SURVEYING	2	0	0	0	0	0
1384 * TEXTILE TECHNOLOGY	1	0	0	1	0	0
1386 * PHOTOGRAPHIC TECHNOLOGY	5	0	0	1	0	0
1399 PHYSICAL SCIENCE STUDENT TRAINEE	7	0	0	0	0	0
1410 LIBRARIAN	247	2	0	0	0	0
1411 LIBRARY TECHNICIAN	575	0	0	0	0	0
1412 TECHNICAL INFORMATION SERVICES	80	0	0	0	0	0
1420 ARCHIVIST	9	0	0	0	0	0
1421 ARCHIVES TECHNICIAN	12	0	0	0	0	0
1501 GENERAL MATHEMATICS (AFIT FACULTY ONLY)	20	3	0	0	0	0
1510 * ACTUARY	1	1	1	0	0	0
1515 * OPERATIONS RESEARCH	375	159	90	8	69	0
1520 * MATHEMATICS	212	115	82	12	33	0
1521 MATHEMATICS TECHNICIAN	6	0	0	0	0	0
1529 * MATHEMATICAL STATISTICIAN	17	9	6	4	3	0
1530 * STATISTICIAN	12	3	1	1	2	0
1531 STATISTICAL ASSISTANT	15	0	0	0	0	0
1550 * COMPUTER SCIENCE	397	270	138	17	132	0
1599 MATHEMATICS AND STATISTICS STUDENT	9	0	0	0	0	0
1601 GENERAL FACILITIES & EQUIPMENT	604	18	0	0	0	0
1640 FACILITY MANAGEMENT	108	0	0	0	0	0
1654 PRINTING MANAGEMENT	39	0	0	0	0	0
1658 LAUNDRY AND DRY CLEANING PLANT	4	0	0	0	0	0
1667 STEWARD	36	1	0	0	0	0
1670 EQUIPMENT SPECIALIST	2344	1285	0	0	0	0
1701 GENERAL EDUCATION AND TRAINING	880	25	0	0	0	0
1702 EDUCATION AND TRAINING TECHNICIAN	1650	0	0	0	0	0
1705 TRAINING TECHNICIAN	1	0	0	0	0	0
1710 EDUCATION AND VOCATIONAL TRAINING	32	2	0	0	0	0
1712 TRAINING INSTRUCTION	1429	0	0	0	0	0
1720 EDUCATION PROGRAM	12	0	0	0	0	0
1725 PUBLIC HEALTH EDUCATOR	1	0	0	0	0	0
1740 EDUCATION SERVICES	315	1	0	0	0	0
1750 INSTRUCTIONAL SYSTEMS	146	2	0	0	0	0
1799 EDUCATION STUDENT TRAINEE	17	0	0	0	0	0
1801 GENERAL INSPECTION INVESTIGATION &	6	0	0	0	0	0
1802 COMPLIANCE INSPECTION & SUPPORT	71	0	0	0	0	0
1810 GENERAL INVESTIGATING	3	0	0	0	0	0
1811 CRIMINAL INVESTIGATING	255	1	0	0	0	0
1816 IMMIGRATION INSPECTION	1	0	0	0	0	0
1822 MINE SAFETY AND HEALTH	1	0	0	0	0	0
1910 * QUALITY ASSURANCE	829	296	201	70	95	0
2001 GENERAL SUPPLY	761	77	0	0	0	0
2003 SUPPLY PROGRAM MANAGEMENT	620	66	0	0	0	0
2005 SUPPLY CLERICAL AND TECHNICIAN	3381	8	0	0	0	0
2010 INVENTORY MANAGEMENT	1892	1142	0	0	0	0
2030 DISTRIBUTION FACILITIES AND STORAGE MGT	15	1	0	0	0	0
2032 PACKAGING	82	29	0	0	0	0
2050 SUPPLY CATALOGING	15	2	0	0	0	0
2091 SALES STORE CLERICAL	4	0	0	0	0	0
2101 TRANSPORTATION SPECIALIST	282	3	0	0	0	0
2102 TRANSPORTATION CLERK & ASSISTANT	646	0	0	0	0	0
2130 TRAFFIC MANAGEMENT	305	34	0	0	0	0
2131 FREIGHT RATE	132	0	0	0	0	0
2132 TRAVEL	31	0	0	0	0	0
2134 SHIPMENT CLERICAL & ASSISTANCE	64	0	0	0	0	0
2135 TRANSPORTATION LOSS AND DAMAGE CLAIMS	14	0	0	0	0	0
2144 CARGO SCHEDULING	27	0	0	0	0	0
2150 TRANSPORTATION OPERATIONS	136	8	0	0	0	0
2151 DISPATCHING	56	0	0	0	0	0

First stage of algorithm					Second stage of algorithm—cumulative results						
Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	
0	0	2	0	0	0	0	0	0	0	2	
0	0	0	0	2	0	0	0	0	0	2	
1	0	0	0	0	0	1	0	0	0	0	
1	0	4	0	0	0	1	0	0	0	4	
0	0	0	0	7	0	0	0	0	0	7	
0	0	0	2	245	0	0	0	0	2	245	
0	0	0	0	575	0	0	0	0	0	575	
0	0	0	0	80	0	0	0	0	0	80	
0	0	0	0	9	0	0	0	0	0	9	
0	0	0	0	12	0	0	0	0	0	12	
0	0	0	3	17	0	0	0	0	3	17	
0	0	0	0	0	1	0	0	0	0	0	
8	69	208	0	0	149	14	4	15	6	187	
12	33	85	0	0	113	14	2	22	0	61	
0	0	0	0	6	0	0	0	0	0	6	
4	3	4	0	0	9	4	0	0	0	4	
1	2	8	0	0	3	1	0	0	0	8	
0	0	0	0	15	0	0	0	0	0	15	
17	132	110	0	0	258	42	8	33	4	52	
0	0	0	0	9	0	0	0	0	0	9	
0	0	0	18	586	0	0	0	0	18	586	
0	0	0	0	108	0	0	0	0	0	108	
0	0	0	0	39	0	0	0	0	0	39	
0	0	0	0	4	0	0	0	0	0	4	
0	0	0	1	35	0	0	0	0	1	35	
0	0	0	1285	1059	0	0	0	0	1285	1059	
0	0	0	25	855	0	0	0	0	25	855	
0	0	0	0	1650	0	0	0	0	0	1650	
0	0	0	0	1	0	0	0	0	0	1	
0	0	0	2	30	0	0	0	0	2	30	
0	0	0	0	1429	0	0	0	0	0	1429	
0	0	0	0	12	0	0	0	0	0	12	
0	0	0	0	1	0	0	0	0	0	1	
0	0	0	1	314	0	0	0	0	1	314	
0	0	0	2	144	0	0	0	0	2	144	
0	0	0	0	17	0	0	0	0	0	17	
0	0	0	0	6	0	0	0	0	0	6	
0	0	0	0	71	0	0	0	0	0	71	
0	0	0	0	3	0	0	0	0	0	3	
0	0	0	1	254	0	0	0	0	1	254	
0	0	0	0	1	0	0	0	0	0	1	
0	0	0	0	1	0	0	0	0	0	1	
70	95	463	0	0	248	70	41	37	7	426	
0	0	0	77	684	0	0	0	0	77	684	
0	0	0	66	554	0	0	0	0	66	554	
0	0	0	8	3373	0	0	0	0	8	3373	
0	0	0	1142	750	0	0	0	0	1142	750	
0	0	0	1	14	0	0	0	0	1	14	
0	0	0	29	53	0	0	0	0	29	53	
0	0	0	2	13	0	0	0	0	2	13	
0	0	0	0	4	0	0	0	0	0	4	
0	0	0	3	279	0	0	0	0	3	279	
0	0	0	0	646	0	0	0	0	0	646	
0	0	0	34	271	0	0	0	0	34	271	
0	0	0	0	132	0	0	0	0	0	132	
0	0	0	0	31	0	0	0	0	0	31	
0	0	0	0	64	0	0	0	0	0	64	
0	0	0	0	14	0	0	0	0	0	14	
0	0	0	0	27	0	0	0	0	0	27	
0	0	0	8	128	0	0	0	0	8	128	
0	0	0	0	56	0	0	0	0	0	56	

Second stage of algorithm—cumulative results

	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	2
0	0	0	0	0	2
0	1	0	0	0	0
0	1	0	0	0	4
0	0	0	0	0	7
0	0	0	0	2	245
0	0	0	0	0	575
0	0	0	0	0	80
0	0	0	0	0	9
0	0	0	0	0	12
0	0	0	0	3	17
1	0	0	0	0	0
9	14	4	15	6	187
3	14	2	22	0	61
0	0	0	0	0	6
9	4	0	0	0	4
3	1	0	0	0	8
0	0	0	0	0	15
3	42	8	33	4	52
0	0	0	0	0	9
0	0	0	0	18	586
0	0	0	0	0	108
0	0	0	0	0	39
0	0	0	0	0	4
0	0	0	0	1	35
0	0	0	0	1285	1059
0	0	0	0	25	855
0	0	0	0	0	1650
0	0	0	0	0	1
0	0	0	0	2	30
0	0	0	0	0	1429
0	0	0	0	0	12
0	0	0	0	0	1
0	0	0	0	1	314
0	0	0	0	2	144
0	0	0	0	0	17
0	0	0	0	0	6
0	0	0	0	0	71
0	0	0	0	0	3
0	0	0	0	1	254
0	0	0	0	0	1
0	0	0	0	0	1
70	41	37	7	426	
0	0	0	0	77	684
0	0	0	0	66	554
0	0	0	0	8	3373
0	0	0	0	1142	750
0	0	0	0	1	14
0	0	0	0	29	53
0	0	0	0	2	13
0	0	0	0	0	4
0	0	0	0	3	279
0	0	0	0	0	646
0	0	0	0	34	271
0	0	0	0	0	132
0	0	0	0	0	31
0	0	0	0	0	64
0	0	0	0	0	14
0	0	0	0	0	27
0	0	0	0	8	128
0	0	0	0	0	56

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Table G-2. Summary of Air Force Algorithm Results by Occupational Series

			First stage of algor					
Occupational series			Total positions	Air Force-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designate
2152	AIR TRAFFIC CONTROL	330	3	0	0	0	0	
2154	AIR TRAFFIC ASSISTANCE	1	0	0	0	0	0	
2181	AIRCRAFT OPERATION	514	1	0	0	0	0	
2183	AIR NAVIGATION	118	0	0	0	0	0	
2185	AIRCREW TECHNICIAN	475	0	0	0	0	0	
2199	TRANSPORTATION STUDENT TRAINEE	3	0	0	0	0	0	
2501	MISC WIRE COMMO EQUIP INSTL & MAINT	3	0	0	0	0	0	
2502	TELEPHONE MECHANIC	186	0	0	0	0	0	
2504	WIRE COMMUNICATIONS CABLE SPLICING	65	0	0	0	0	0	
2508	COMMUNICATIONS LINE INSTALLING AND	1	0	0	0	0	0	
2601	MISC ELECTRONIC EQUIP INSTALLATION &	59	0	0	0	0	0	
2602	ELECTRONIC MEASUREMENT EQUIPMENT	696	0	0	0	0	0	
2604	ELECTRONICS MECHANIC	2050	0	0	0	0	0	
2606	ELECTRONIC INDUSTRIAL CONTROLS MECHANIC	316	0	0	0	0	0	
2608	ELECTRONIC DIGITAL COMPUTER MECHANIC	90	0	0	0	0	0	
2610	ELECTRONIC INTEGRATED SYSTEMS MECHANIC	1709	0	0	0	0	0	
2801	MISCELLANEOUS ELECTRICAL INSTALL &	57	0	0	0	0	0	
2805	ELECTRICIAN	692	0	0	0	0	0	
2810	ELECTRICIAN (HIGH VOLTAGE)	315	0	0	0	0	0	
2854	ELECTRICAL EQUIPMENT REPAIRING	441	0	0	0	0	0	
2892	AIRCRAFT ELECTRICIAN	1380	0	0	0	0	0	
3101	MISC FABRIC AND LEATHER WORK	1	0	0	0	0	0	
3105	FABRIC WORKING	255	0	0	0	0	0	
3106	UPHOLSTERERING	12	0	0	0	0	0	
3111	SEWING MACHINE OPERATING	1	0	0	0	0	0	
3301	MISC INSTRUMENT WORK	1	0	0	0	0	0	
3306	OPTICAL INSTRUMENT REPAIRING	34	0	0	0	0	0	
3314	INSTRUMENT MAKING	12	0	0	0	0	0	
3359	INSTRUMENT MECHANIC	643	0	0	0	0	0	
3401	MISCELLANEOUS MACHINE TOOL WORK	1	0	0	0	0	0	
3414	MACHINING	966	0	0	0	0	0	
3416	TOOLMAKING	178	0	0	0	0	0	
3431	MACHINE TOOL OPERATING	476	0	0	0	0	0	
3501	MISC GENERAL SERVICES & SUPPORT WORK	11	0	0	0	0	0	
3502	LABORING	542	0	0	0	0	0	
3506	SUMMER AID/STUDENT AID	146	0	0	0	0	0	
3511	LABORATORY WORKING	2	0	0	0	0	0	
3546	RAILROAD REPAIRING	3	0	0	0	0	0	
3566	CUSTODIAL WORKING	81	0	0	0	0	0	
3601	MISC STRUCTURAL AND FINISHING WORK	5	0	0	0	0	0	
3602	CEMENT FINISHING	75	0	0	0	0	0	
3603	MASONRY	111	0	0	0	0	0	
3605	PLASTERING	6	0	0	0	0	0	
3606	ROOFING	34	0	0	0	0	0	
3610	INSULATING	93	0	0	0	0	0	
3653	ASPHALT WORKING	12	0	0	0	0	0	
3701	MISCELLANEOUS METAL PROCESSING	5	0	0	0	0	0	
3703	WELDING	393	0	0	0	0	0	
3705	NONDESTRUCTIVE TESTING	583	0	0	0	0	0	
3707	METALIZING	69	0	0	0	0	0	
3711	ELECTROPLATING	239	0	0	0	0	0	
3712	HEAT TREATING	52	0	0	0	0	0	
3720	BRAZING AND SOLDERING	4	0	0	0	0	0	
3725	BATTERY REPAIRING	28	0	0	0	0	0	
3727	BUFFING & POLISHING	6	0	0	0	0	0	
3735	METAL PHOTOTRANSFERRING	5	0	0	0	0	0	
3736	CIRCUIT BOARD MAKING	17	0	0	0	0	0	
3769	SHOT PEENING MACHINE OPERATING	35	0	0	0	0	0	
3801	MISCELLANEOUS METAL WORK	21	0	0	0	0	0	
3802	FORGING MACHINE OPERATING	2	0	0	0	0	0	
3806	SHEET METAL MECHANIC	3853	0	0	0	0	0	

First stage of algorithm						Second stage of algorithm—cumulative results						
tion on	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	
0	0	0	0	0	3	327	0	0	0	0	3	327
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	1	513	0	0	0	0	1	513
0	0	0	0	0	0	118	0	0	0	0	0	118
0	0	0	0	0	0	475	0	0	0	0	0	475
0	0	0	0	0	0	3	0	0	0	0	0	3
0	0	0	0	0	0	3	0	0	0	0	0	3
0	0	0	0	0	0	186	0	0	0	0	0	186
0	0	0	0	0	0	65	0	0	0	0	0	65
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	59	0	0	0	0	0	59
0	0	0	0	0	0	696	0	0	0	0	0	696
0	0	0	0	0	0	2050	0	0	0	0	0	2050
0	0	0	0	0	0	316	0	0	0	0	0	316
0	0	0	0	0	0	90	0	0	0	0	0	90
0	0	0	0	0	0	1709	0	0	0	0	0	1709
0	0	0	0	0	0	57	0	0	0	0	0	57
0	0	0	0	0	0	692	0	0	0	0	0	692
0	0	0	0	0	0	315	0	0	0	0	0	315
0	0	0	0	0	0	441	0	0	0	0	0	441
0	0	0	0	0	0	1380	0	0	0	0	0	1380
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	255	0	0	0	0	0	255
0	0	0	0	0	0	12	0	0	0	0	0	12
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	34	0	0	0	0	0	34
0	0	0	0	0	0	12	0	0	0	0	0	12
0	0	0	0	0	0	643	0	0	0	0	0	643
0	0	0	0	0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	966	0	0	0	0	0	966
0	0	0	0	0	0	178	0	0	0	0	0	178
0	0	0	0	0	0	476	0	0	0	0	0	476
0	0	0	0	0	0	11	0	0	0	0	0	11
0	0	0	0	0	0	542	0	0	0	0	0	542
0	0	0	0	0	0	146	0	0	0	0	0	146
0	0	0	0	0	0	2	0	0	0	0	0	2
0	0	0	0	0	0	3	0	0	0	0	0	3
0	0	0	0	0	0	81	0	0	0	0	0	81
0	0	0	0	0	0	5	0	0	0	0	0	5
0	0	0	0	0	0	75	0	0	0	0	0	75
0	0	0	0	0	0	111	0	0	0	0	0	111
0	0	0	0	0	0	6	0	0	0	0	0	6
0	0	0	0	0	0	34	0	0	0	0	0	34
0	0	0	0	0	0	93	0	0	0	0	0	93
0	0	0	0	0	0	12	0	0	0	0	0	12
0	0	0	0	0	0	5	0	0	0	0	0	5
0	0	0	0	0	0	393	0	0	0	0	0	393
0	0	0	0	0	0	583	0	0	0	0	0	583
0	0	0	0	0	0	69	0	0	0	0	0	69
0	0	0	0	0	0	239	0	0	0	0	0	239
0	0	0	0	0	0	52	0	0	0	0	0	52
0	0	0	0	0	0	4	0	0	0	0	0	4
0	0	0	0	0	0	28	0	0	0	0	0	28
0	0	0	0	0	0	6	0	0	0	0	0	6
0	0	0	0	0	0	5	0	0	0	0	0	5
0	0	0	0	0	0	17	0	0	0	0	0	17
0	0	0	0	0	0	35	0	0	0	0	0	35
0	0	0	0	0	0	21	0	0	0	0	0	21
0	0	0	0	0	0	2	0	0	0	0	0	2
0	0	0	0	0	0	3853	0	0	0	0	0	3853

Second stage of algorithm—cumulative results

on nd ed	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	3	327
0	0	0	0	0	1
0	0	0	0	1	513
0	0	0	0	0	118
0	0	0	0	0	475
0	0	0	0	0	3
0	0	0	0	0	3
0	0	0	0	0	186
0	0	0	0	0	65
0	0	0	0	0	1
0	0	0	0	0	59
0	0	0	0	0	696
0	0	0	0	0	2050
0	0	0	0	0	316
0	0	0	0	0	90
0	0	0	0	0	1709
0	0	0	0	0	57
0	0	0	0	0	692
0	0	0	0	0	315
0	0	0	0	0	441
0	0	0	0	0	1380
0	0	0	0	0	1
0	0	0	0	0	255
0	0	0	0	0	12
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	34
0	0	0	0	0	12
0	0	0	0	0	643
0	0	0	0	0	1
0	0	0	0	0	966
0	0	0	0	0	178
0	0	0	0	0	476
0	0	0	0	0	11
0	0	0	0	0	542
0	0	0	0	0	146
0	0	0	0	0	2
0	0	0	0	0	3
0	0	0	0	0	81
0	0	0	0	0	5
0	0	0	0	0	75
0	0	0	0	0	111
0	0	0	0	0	6
0	0	0	0	0	34
0	0	0	0	0	93
0	0	0	0	0	12
0	0	0	0	0	5
0	0	0	0	0	393
0	0	0	0	0	583
0	0	0	0	0	69
0	0	0	0	0	239
0	0	0	0	0	52
0	0	0	0	0	4
0	0	0	0	0	28
0	0	0	0	0	6
0	0	0	0	0	5
0	0	0	0	0	17
0	0	0	0	0	35
0	0	0	0	0	21
0	0	0	0	0	2
0	0	0	0	0	3853

3

Table G-2. Summary of Air Force Algorithm Results by Occupational Series

			First stage of algo			
Occupational series			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
	Total positions	Air Force-designated acquisition positions				
3807	STRUCTURAL/ORNAMENTAL IRON WORKING	6	0	0	0	0
3808	BOILERMAKING	1	0	0	0	0
3809	MOBILE EQUIPMENT METAL MECHANIC	235	0	0	0	0
3816	ENGRAVING	4	0	0	0	0
3818	SPRINGMAKING	2	0	0	0	0
3819	AIRFRAME JIG FITTING	5	0	0	0	0
3858	METAL TANK & RADIATOR REPAIRING	55	0	0	0	0
3869	METAL FORMING MACHINE OPERATING	11	0	0	0	0
3872	METAL TUBE MAKING,INSTALLING,& REPAIR	41	0	0	0	0
3910	MOTION PICTURE PROJECTION	11	0	0	0	0
3911	SOUND RECORDING EQUIP OPERATING	4	0	0	0	0
3919	TELEVISION EQUIPMENT OPERATING	1	0	0	0	0
4005	OPTICAL ELEMENT WORKING	1	0	0	0	0
4101	MISCELLANEOUS PAINTING AND PAPERHANGING	4	0	0	0	0
4102	PAINTING	1311	0	0	0	0
4104	SIGN PAINTING	55	0	0	0	0
4157	INSTRUMENT DIAL PAINTING	3	0	0	0	0
4201	MISC PLUMBING & PIPEFITTING	1	0	0	0	0
4204	PIPEFITTING	241	0	0	0	0
4206	PLUMBING	398	0	0	0	0
4255	FUEL DISTR SYS MECH	155	0	0	0	0
4352	PLASTIC FABRICATING	154	0	0	0	0
4360	RUBBER PRODUCTS MOLDING	14	0	0	0	0
4361	RUBBER EQUIPMENT REPAIRING	21	0	0	0	0
4370	GLASSBLOWING	1	0	0	0	0
4373	MOLDING	20	0	0	0	0
4401	MISCELLANEOUS PRINTING	7	0	0	0	0
4402	BINDERY WORKING	14	0	0	0	0
4403	HAND COMPOSING	1	0	0	0	0
4405	FILM ASSEMBLY-STRIPPING	1	0	0	0	0
4406	LETTERPRESS OPERATING	1	0	0	0	0
4414	OFFSET PHOTOGRAPHY	7	0	0	0	0
4416	PLATEMAKING	1	0	0	0	0
4417	OFFSET PRESS OPERATING	39	0	0	0	0
4419	SILK SCREEN MAKING & PRINTING	6	0	0	0	0
4601	MISCELLANEOUS WOOD WORK	3	0	0	0	0
4602	BLOCKING AND BRACING	15	0	0	0	0
4604	WOOD WORKING	203	0	0	0	0
4605	WOOD CRAFTING	141	0	0	0	0
4607	CARPENTRY	408	0	0	0	0
4616	PATTERNMAKING	25	0	0	0	0
4654	FORM BLOCK MAKING	13	0	0	0	0
4701	MISC GENERAL MAINTENANCE & OPERATIONS	207	0	0	0	0
4714	MODEL MAKING	133	0	0	0	0
4715	EXHIBITS MAKING/MODELING	8	0	0	0	0
4737	GENERAL EQUIPMENT MECHANIC	5	0	0	0	0
4742	UTILITY SYSTEMS REPAIRING-OPERATING	316	0	0	0	0
4745	RESEARCH LABORATORY MECHANIC	29	0	0	0	0
4749	MAINTENANCE MECHANIC	1119	0	0	0	0
4801	MISCELLANEOUS GENERAL EQUIPMENT	34	0	0	0	0
4804	LOCKSMITHING	46	0	0	0	0
4805	MEDICAL EQUIPMENT REPAIRING	31	0	0	0	0
4806	OFFICE APPLIANCE REPAIRING	1	0	0	0	0
4812	SAW RECONDITIONING	2	0	0	0	0
4816	PROTECTIVE&SAFETY EQUIP	5	0	0	0	0
4818	AIRCRAFT SURVIVAL AND FLIGHT EQUIPMENT	176	0	0	0	0
4819	BOWLING EQUIPMENT REPAIRING	10	0	0	0	0
4840	TOOL & EQUIPMENT REPAIRING	38	0	0	0	0
4848	MECHANICAL PARTS REPAIRING	64	0	0	0	0
4850	BEARING RECONDITIONER	32	0	0	0	0
4855	DOMESTIC APPLIANCE REPAIRING	22	0	0	0	0

First stage of algorithm						Second stage of algorithm—cumulative results					
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	235	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	55	0	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0	0
0	0	0	0	0	41	0	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	1311	0	0	0	0	0	0
0	0	0	0	0	55	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	241	0	0	0	0	0	0
0	0	0	0	0	398	0	0	0	0	0	0
0	0	0	0	0	155	0	0	0	0	0	0
0	0	0	0	0	154	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0
0	0	0	0	0	21	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	20	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	39	0	0	0	0	0	0
0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	15	0	0	0	0	0	0
0	0	0	0	0	203	0	0	0	0	0	0
0	0	0	0	0	141	0	0	0	0	0	0
0	0	0	0	0	408	0	0	0	0	0	0
0	0	0	0	0	25	0	0	0	0	0	0
0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	207	0	0	0	0	0	0
0	0	0	0	0	133	0	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	316	0	0	0	0	0	0
0	0	0	0	0	29	0	0	0	0	0	0
0	0	0	0	0	1119	0	0	0	0	0	0
0	0	0	0	0	34	0	0	0	0	0	0
0	0	0	0	0	46	0	0	0	0	0	0
0	0	0	0	0	31	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	176	0	0	0	0	0	0
0	0	0	0	0	10	0	0	0	0	0	0
0	0	0	0	0	38	0	0	0	0	0	0
0	0	0	0	0	64	0	0	0	0	0	0
0	0	0	0	0	32	0	0	0	0	0	0
0	0	0	0	0	22	0	0	0	0	0	0

Second stage of algorithm—cumulative results

Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	6
0	0	0	0	0	1
0	0	0	0	0	235
0	0	0	0	0	4
0	0	0	0	0	2
0	0	0	0	0	5
0	0	0	0	0	55
0	0	0	0	0	11
0	0	0	0	0	41
0	0	0	0	0	11
0	0	0	0	0	4
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	4
0	0	0	0	0	1311
0	0	0	0	0	55
0	0	0	0	0	3
0	0	0	0	0	1
0	0	0	0	0	241
0	0	0	0	0	398
0	0	0	0	0	155
0	0	0	0	0	154
0	0	0	0	0	14
0	0	0	0	0	21
0	0	0	0	0	1
0	0	0	0	0	20
0	0	0	0	0	7
0	0	0	0	0	14
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	7
0	0	0	0	0	1
0	0	0	0	0	39
0	0	0	0	0	6
0	0	0	0	0	3
0	0	0	0	0	15
0	0	0	0	0	203
0	0	0	0	0	141
0	0	0	0	0	408
0	0	0	0	0	25
0	0	0	0	0	13
0	0	0	0	0	207
0	0	0	0	0	133
0	0	0	0	0	8
0	0	0	0	0	5
0	0	0	0	0	316
0	0	0	0	0	29
0	0	0	0	0	1119
0	0	0	0	0	34
0	0	0	0	0	46
0	0	0	0	0	31
0	0	0	0	0	1
0	0	0	0	0	2
0	0	0	0	0	5
0	0	0	0	0	176
0	0	0	0	0	10
0	0	0	0	0	38
0	0	0	0	0	64
0	0	0	0	0	32
0	0	0	0	0	22

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Table G-2. Summary of Air Force Algorithm Results by Occupational Series

		Total positions	Air Force- designated acquisition positions	First stage of algo			
Occupational series				Acquisition position and designated	Possible error of omission	Uncertain designated	Uncert not designa
5001	MISC PLANT AND ANIMAL WORK	4	0	0	0	0	0
5003	GARDENING	212	0	0	0	0	0
5026	PEST CONTROLLING	102	0	0	0	0	0
5048	ANIMAL CARETAKING	29	0	0	0	0	0
5201	MISCELLANEOUS OCCUPATIONS	8	0	0	0	0	0
5210	RIGGING	16	0	0	0	0	0
5301	MISC INDUSTRIAL EQUIPMENT MAINT	72	0	0	0	0	0
5306	AIR CONDITIONING EQUIPMENT MECHANIC	630	0	0	0	0	0
5309	HEATING & BOILER PLANT EQUIPMENT	321	0	0	0	0	0
5310	KITCHEN/BAKERY EQUIPMENT REPAIRING	5	0	0	0	0	0
5313	ELEVATOR MECHANIC	1	0	0	0	0	0
5317	LAUNDRY AND DRY CLEANING EQUIP RPRNG	2	0	0	0	0	0
5330	PRINTING EQUIPMENT REPAIRING	1	0	0	0	0	0
5350	PRODUCTION MACHINERY MECHANIC	143	0	0	0	0	0
5352	INDUSTRIAL EQUIPMENT MECHANIC	249	0	0	0	0	0
5364	DOOR SYSTEMS MECHANIC	26	0	0	0	0	0
5365	PHYSIOLOGICAL TRAINER MECHANIC	12	0	0	0	0	0
5378	POWERED SUPPORT SYSTEMS MECHANIC	958	0	0	0	0	0
5384	GASDYNAMIC FACILITY INSTALLING &	13	0	0	0	0	0
5401	MISCELLANEOUS INDUSTRIAL EQUIPMENT	35	0	0	0	0	0
5402	BOILER PLANT OPERATING	508	0	0	0	0	0
5403	INCENERATOR OPERATING	9	0	0	0	0	0
5406	UTILITY SYSTEMS OPERATING	266	0	0	0	0	0
5407	ELECTRIC POWER CONTROLLING	28	0	0	0	0	0
5408	SEWAGE DISPOSAL PLANT OPERATING	121	0	0	0	0	0
5409	WATER TREATMENT PLANT OPERATING	113	0	0	0	0	0
5413	FUEL DISTRIBUTION SYSTEM OPERATING	301	0	0	0	0	0
5415	AIR CONDITIONING EQUIPMENT OPERATING	33	0	0	0	0	0
5419	STATIONARY-ENGINE OPERATING	5	0	0	0	0	0
5423	SANDBLASTING	72	0	0	0	0	0
5424	WEIGHING MACHINE OPERATING	1	0	0	0	0	0
5439	TESTING EQUIPMENT OPERATING	19	0	0	0	0	0
5454	SOLVENT STILL OPERATING	9	0	0	0	0	0
5455	PAPER PULPING MACHINE OPERATING	3	0	0	0	0	0
5478	PORTABLE EQUIPMENT OPERATING	1	0	0	0	0	0
5485	AIRCRAFT WEIGHT & BALANCE OPERATING	10	0	0	0	0	0
5701	TRANSPORTATION/MOBILE EQUIPMENT	58	0	0	0	0	0
5703	MOTOR VEHICLE OPERATING	1195	0	0	0	0	0
5704	FORK LIFT OPERATING	58	0	0	0	0	0
5705	TRACTOR OPERATING	246	0	0	0	0	0
5706	ROAD SWEEPER OPERATING	7	0	0	0	0	0
5707	TANK DRIVING	1	0	0	0	0	0
5716	ENGINEERING EQUIPMENT OPERATING	498	0	0	0	0	0
5725	CRANE OPERATING	110	0	0	0	0	0
5729	DRILL RIG OPERATING	5	0	0	0	0	0
5731	MINING/TUNNELING MACHINE OPERATING	3	0	0	0	0	0
5736	BRAKING-SWITCHING & CONDUCTING	6	0	0	0	0	0
5737	LOCOMOTIVE ENGINEERING	8	0	0	0	0	0
5767	AIRFIELD CLEARING EQUIPMENT OPERATING	524	0	0	0	0	0
5786	SMALL CRAFT OPERATING	2	0	0	0	0	0
5788	DECKHAND	1	0	0	0	0	0
5801	TRANSPORTATION/MOBILE EQUIPMENT	65	0	0	0	0	0
5803	HEAVY MOBILE EQUIPMENT MECHANIC	699	0	0	0	0	0
5806	MOBILE EQUIPMENT SERVICING	21	0	0	0	0	0
5823	AUTOMOTIVE MECHANIC	461	0	0	0	0	0
5876	ELECTROMOTIVE EQUIP MECH	9	0	0	0	0	0
6501	MISC AMMO,EXPLOSIVES,& TOXIC MTS WK	12	0	0	0	0	0
6502	EXPLOSIVES OPERATING	1	0	0	0	0	0
6511	MISSILE/TOXIC MATERIALS HANDLING	20	0	0	0	0	0
6610	SMALL ARMS REPAIRING	3	0	0	0	0	0
6641	ORDNANCE EQUIPMENT MECHANIC	188	0	0	0	0	0

- d n .	First stage of algorithm						Second stage of algorithm—cumulative results					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nor de
0	0	0	0	0	0	4	0	0	0	0	0	0
0	0	0	0	0	0	212	0	0	0	0	0	0
0	0	0	0	0	0	102	0	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0	0
0	0	0	0	0	0	72	0	0	0	0	0	0
0	0	0	0	0	0	630	0	0	0	0	0	0
0	0	0	0	0	0	321	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	143	0	0	0	0	0	0
0	0	0	0	0	0	249	0	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0	0
0	0	0	0	0	0	958	0	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0	0
0	0	0	0	0	0	508	0	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	266	0	0	0	0	0	0
0	0	0	0	0	0	28	0	0	0	0	0	0
0	0	0	0	0	0	121	0	0	0	0	0	0
0	0	0	0	0	0	113	0	0	0	0	0	0
0	0	0	0	0	0	301	0	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0	0
0	0	0	0	0	0	72	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	0
)	0	0	0	0	0	1	0	0	0	0	0	0
)	0	0	0	0	0	10	0	0	0	0	0	0
)	0	0	0	0	0	58	0	0	0	0	0	0
)	0	0	0	0	0	1195	0	0	0	0	0	0
)	0	0	0	0	0	58	0	0	0	0	0	0
)	0	0	0	0	0	246	0	0	0	0	0	0
)	0	0	0	0	0	7	0	0	0	0	0	0
)	0	0	0	0	0	1	0	0	0	0	0	0
)	0	0	0	0	0	498	0	0	0	0	0	0
)	0	0	0	0	0	110	0	0	0	0	0	0
)	0	0	0	0	0	5	0	0	0	0	0	0
)	0	0	0	0	0	3	0	0	0	0	0	0
)	0	0	0	0	0	6	0	0	0	0	0	0
)	0	0	0	0	0	8	0	0	0	0	0	0
)	0	0	0	0	0	524	0	0	0	0	0	0
)	0	0	0	0	0	2	0	0	0	0	0	0
)	0	0	0	0	0	1	0	0	0	0	0	0
)	0	0	0	0	0	65	0	0	0	0	0	0
)	0	0	0	0	0	699	0	0	0	0	0	0
)	0	0	0	0	0	21	0	0	0	0	0	0
)	0	0	0	0	0	461	0	0	0	0	0	0
)	0	0	0	0	0	9	0	0	0	0	0	0
)	0	0	0	0	0	12	0	0	0	0	0	0
)	0	0	0	0	0	1	0	0	0	0	0	0
)	0	0	0	0	0	20	0	0	0	0	0	0
)	0	0	0	0	0	3	0	0	0	0	0	0
)	0	0	0	0	0	188	0	0	0	0	0	0

Second stage of algorithm—cumulative results						
Acquisition not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain, not designated	Possible error of commission	Nonacquisition and not designated
4	0	0	0	0	0	4
212	0	0	0	0	0	212
102	0	0	0	0	0	102
29	0	0	0	0	0	29
8	0	0	0	0	0	8
16	0	0	0	0	0	16
72	0	0	0	0	0	72
630	0	0	0	0	0	630
321	0	0	0	0	0	321
5	0	0	0	0	0	5
1	0	0	0	0	0	1
2	0	0	0	0	0	2
1	0	0	0	0	0	1
143	0	0	0	0	0	143
249	0	0	0	0	0	249
26	0	0	0	0	0	26
12	0	0	0	0	0	12
958	0	0	0	0	0	958
13	0	0	0	0	0	13
35	0	0	0	0	0	35
508	0	0	0	0	0	508
9	0	0	0	0	0	9
266	0	0	0	0	0	266
28	0	0	0	0	0	28
121	0	0	0	0	0	121
113	0	0	0	0	0	113
301	0	0	0	0	0	301
33	0	0	0	0	0	33
5	0	0	0	0	0	5
72	0	0	0	0	0	72
1	0	0	0	0	0	1
19	0	0	0	0	0	19
9	0	0	0	0	0	9
3	0	0	0	0	0	3
1	0	0	0	0	0	1
10	0	0	0	0	0	10
58	0	0	0	0	0	58
1195	0	0	0	0	0	1195
58	0	0	0	0	0	58
246	0	0	0	0	0	246
7	0	0	0	0	0	7
1	0	0	0	0	0	1
498	0	0	0	0	0	498
110	0	0	0	0	0	110
5	0	0	0	0	0	5
3	0	0	0	0	0	3
6	0	0	0	0	0	6
8	0	0	0	0	0	8
524	0	0	0	0	0	524
2	0	0	0	0	0	2
1	0	0	0	0	0	1
65	0	0	0	0	0	65
699	0	0	0	0	0	699
21	0	0	0	0	0	21
461	0	0	0	0	0	461
9	0	0	0	0	0	9
12	0	0	0	0	0	12
1	0	0	0	0	0	1
20	0	0	0	0	0	20
3	0	0	0	0	0	3
188	0	0	0	0	0	188

3

Table G-2. Summary of Air Force Algorithm Results by Occupational Series

			First stage of a				
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain designated	
Occupational series			Total positions	Air Force- designated acquisition positions			
6652	AIRCRAFT ORDNANCE SYSTEMS MECHANIC	496	0	0	0	0	
6656	SPECIAL WEAPONS SYS MECH	12	0	0	0	0	
6901	MISC WAREHOUSING & STOCK HANDING	132	0	0	0	0	
6903	COAL HANDLING	7	0	0	0	0	
6904	TOOL & PARTS ATTENDING	377	0	0	0	0	
6907	MATERIALS HANDLING	1419	0	0	0	0	
6910	MATERIALS EXPEDITING	486	0	0	0	0	
6912	MATERIALS EXAMINING AND IDENTIFYING	304	0	0	0	0	
6914	STORE WORKING	8	0	0	0	0	
6968	AIRCRAFT FREIGHT LOADING	72	0	0	0	0	
7001	MISCELLANEOUS PACKING & PROCESSING	20	0	0	0	0	
7002	PACKING	88	0	0	0	0	
7004	PRESERVATION PACKAGING	13	0	0	0	0	
7006	PRESERVATION SERVICING	29	0	0	0	0	
7009	EQUIPMENT CLEANING	266	0	0	0	0	
7010	PARACHUTE PACKING	12	0	0	0	0	
7304	LAUNDRY WORKING	20	0	0	0	0	
7305	LAUNDRY MACHINE OPERATING	3	0	0	0	0	
7306	PRESSING	4	0	0	0	0	
7307	DRY CLEANING	1	0	0	0	0	
7401	MISC FOOD PREPARATION & SERVING	1	0	0	0	0	
7402	BAKING	33	0	0	0	0	
7404	COOKING	276	0	0	0	0	
7407	MEAT CUTTING	7	0	0	0	0	
7408	FOOD SERVICE WORKING	552	0	0	0	0	
7420	WAITER	13	0	0	0	0	
8201	MISC FLUID SYSTEMS MAINTENANCE	9	0	0	0	0	
8255	PNEUDRAULIC SYSTEMS MECHANIC	1040	0	0	0	0	
8268	AIRCRAFT PNEUDRALIC SYSTEMS MECHANIC	732	0	0	0	0	
8601	MISCELLANEOUS ENGINE OVERHAUL	1	0	0	0	0	
8602	ACFT ENGINE MECHANIC	2408	0	0	0	0	
8610	SMALL ENGINE MECHANIC	16	0	0	0	0	
8675	LIQ FUEL ROCKET ENG MECH	20	0	0	0	0	
8801	MISCELLANEOUS AIRCRAFT OVERHAUL	709	0	0	0	0	
8810	AIRCRAFT PROPELLER MECHANIC	44	0	0	0	0	
8840	ACFT MECH PARTS RPR	207	0	0	0	0	
8852	AIRCRAFT MECHANIC	4899	0	0	0	0	
8862	AIRCRAFT SERVICING	127	0	0	0	0	
8863	AIRCRAFT TIRE MOUNTING	15	0	0	0	0	
8882	AIRFRAME TEST OPERATING	4	0	0	0	0	
Total for Component: AF			158937	25083	17456	2886	4413

Occupational series numbers	First stage of algorithm						Second stage of algorithm—cumulative results				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	496	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	132	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	377	0	0	0	0	0
0	0	0	0	0	0	1419	0	0	0	0	0
0	0	0	0	0	0	486	0	0	0	0	0
0	0	0	0	0	0	304	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	72	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	88	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0
0	0	0	0	0	0	266	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	0
0	0	0	0	0	0	276	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	552	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	1040	0	0	0	0	0
0	0	0	0	0	0	732	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	2408	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	709	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0
0	0	0	0	0	0	207	0	0	0	0	0
0	0	0	0	0	0	4899	0	0	0	0	0
0	0	0	0	0	0	127	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
5083	17456	2886	4413	22208	3214	108760	19825	3127	1553	2302	3705

Second stage of algorithm—cumulative results

Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	0	496
0	0	0	0	0	12
0	0	0	0	0	132
0	0	0	0	0	7
0	0	0	0	0	377
0	0	0	0	0	1419
0	0	0	0	0	486
0	0	0	0	0	304
0	0	0	0	0	8
0	0	0	0	0	72
0	0	0	0	0	20
0	0	0	0	0	88
0	0	0	0	0	13
0	0	0	0	0	29
0	0	0	0	0	266
0	0	0	0	0	12
0	0	0	0	0	20
0	0	0	0	0	3
0	0	0	0	0	4
0	0	0	0	0	1
0	0	0	0	0	1
0	0	0	0	0	33
0	0	0	0	0	276
0	0	0	0	0	7
0	0	0	0	0	552
0	0	0	0	0	13
0	0	0	0	0	9
0	0	0	0	0	1040
0	0	0	0	0	732
0	0	0	0	0	1
0	0	0	0	0	2408
0	0	0	0	0	16
0	0	0	0	0	20
0	0	0	0	0	709
0	0	0	0	0	44
0	0	0	0	0	207
0	0	0	0	0	4899
0	0	0	0	0	127
0	0	0	0	0	15
0	0	0	0	0	4
19825	3127	1553	2302	3705	128425

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Appendix H

SUMMARY DATA FROM THE NAVY ALGORITHM RESULTS

This appendix contains summary data from the results of the Navy algorithm. Table H-1 summarizes the results by major manpower claimant. A Navy-wide summary of results by occupational series is in Table H-1.

The following are explanations of what each data column heading in the Tables H-1 and H-2 means:

- ◆ *Major manpower claimant*: the two-character Navy major manpower claimant code followed by the name of the manpower claimant.
- ◆ *Occupational series*: the civilian occupational series of the positions.
- ◆ *Total positions*: the total number of positions in the listed major manpower claimant or the listed occupational series.¹
- ◆ *Navy-designated acquisition positions*: the number of positions that the input data indicated were designated as acquisition positions by the Navy.
- ◆ *First stage of algorithm*: results of the screening process of the algorithm. Positions in the uncertain category of this stage are processed by the second stage (scoring, ranking, and cluster analysis) of the algorithm. The subheadings are as follows:
 - ◆ *Acquisition position and designated*—the screening process criteria for classifying the position as acquisition were met, and the Navy had designated the position as an acquisition position.
 - ◆ *Possible error of omission*—the screening process criteria for classifying the position as acquisition were met, but the Navy had not designated the position as an acquisition position.
 - ◆ *Uncertain designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, but the Navy had designated the position as an acquisition position.

¹ All column headings apply to either the total for the major manpower claimant or for the occupational series listed in the respective tables.

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- ◆ *Uncertain not designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, and the Navy had not designated the position as an acquisition position.
 - ◆ *Possible error of commission*—the screening process criteria for classifying the position as nonacquisition were met, but the Navy had designated the position as an acquisition position.
 - ◆ *Nonacquisition and not designated*—the screening process criteria for classifying the position as nonacquisition were met, and the Navy had not designated the position as an acquisition position.
 - ◆ *Second stage of algorithm—cumulative results:* The column subheadings are the same as described above. The numbers in these columns are the result of adding to the numbers from the first stage results, the results of the second stage of the algorithm as applied to the first stage uncertain positions. The numbers of positions reflected in the “uncertain designated” and “uncertain not designated” columns are the remaining numbers of positions that the algorithm could classify as neither acquisition or nonacquisition.

Table H-1. Summary of Navy Algorithm Results by Major Manpower Claimant

Major manpower claimant	Total positions	Navy-designated acquisition positions	First s		
			Acquisition position and designated	Possible error of omission	Uncerta designa
04 Unknown code	1	0	0	0	
08 IMMEDIATE OFFICE OF THE SECRETARY OF THE NAVY	263	60	24	2	
09 NAVY STAFF OFFICES	295	1	1	0	
10 NAVY FIELD OFFICES	3223	169	63	6	
11 IMMEDIATE OFFICE OF CH OF NAVAL	6766	145	97	9	
14 OFFICE OF NAVAL RESEARCH	4205	142	138	55	
15 NAVAL INTELLIGENCE COMMAND	1208	5	5	2	
18 NAVAL MEDICAL COMMAND	11902	211	208	42	
19 NAVAL AIR SYSTEMS COMMAND	38015	12799	897	71	112
22 CHIEF OF NAVAL PERSONNEL	2164	8	8	13	
23 NAVAL SUPPLY SYSTEMS COMMAND	14172	1755	1300	301	4
24 NAVAL SEA SYSTEMS COMMAND	79360	5083	1068	227	35
25 NAVAL FACILITIES ENGINEERING COMMAND	21040	1233	1163	437	
27 US MARINE CORPS	15449	575	317	74	2
30 SPECIAL PROJECTS OFFICE	859	302	16	6	2
33 MILITARY SEALIFT COMMAND	4836	137	135	16	
39 SPACE AND NAVAL WARFARE SYSTEMS COMMAND	6556	1865	210	41	15
60 ATLANTIC FLEET	10275	97	90	37	
61 US NAVAL FORCES EUROPE	848	12	9	2	
62 NAVAL EDUCATION AND TRAINING COMMAND	6906	446	249	36	1
63 NAVAL COMPUTER & TELECOMMUNICATIONS CMD	2463	85	47	3	
65 NAVAL OCEANOGRAPHY COMMAND	1442	31	15	3	
69 NAVAL SECURITY GROUP COMMAND	690	17	17	3	
70 PACIFIC FLEET	11694	131	109	25	
72 NAVAL RESERVE FORCE	2240	34	31	15	
74 NAVAL SPECIAL WARFARE COMMAND	185	10	9	6	
78 Unknown code	2	0	0	0	
Total for Navy	247059	25353	6226	1432	177

ipower Claimant

Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative r				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	1	0	0	0	0	
60	24	2	29	88	7	113	52	4	1	3	
1	1	0	0	153	0	141	1	0	0	0	
169	63	6	96	774	10	2274	139	9	19	37	1
145	97	9	45	1843	3	4769	129	15	4	14	1
142	138	55	4	2430	0	1578	138	55	2	4	
5	5	2	0	347	0	854	5	2	0	0	
211	208	42	2	1627	1	10022	209	42	1	1	
12799	897	71	11229	4644	673	20501	11527	602	556	1057	71
8	8	13	0	679	0	1464	8	13	0	0	
1755	1300	301	417	2485	38	9631	1642	332	71	122	4
5083	1068	227	3517	22922	498	51128	3738	426	613	438	73
1233	1163	437	63	5743	7	13627	1180	437	28	42	2
575	317	74	252	2448	6	12352	499	76	44	47	3
302	16	6	283	274	3	277	266	19	25	25	1
137	135	16	2	479	0	4204	137	16	0	0	
1865	210	41	1540	2608	115	2042	924	92	681	850	26
97	90	37	2	1687	5	8454	91	38	1	4	
12	9	2	1	155	2	679	9	2	1	1	
446	249	36	194	1338	3	5086	432	37	9	13	
85	47	3	38	1191	0	1184	54	5	28	2	
31	15	3	15	844	1	564	15	3	8	1	
17	17	3	0	199	0	471	17	3	0	0	
131	109	25	16	2192	6	9346	114	25	3	2	1
34	31	15	2	460	1	1731	33	15	0	0	
10	9	6	0	84	1	85	9	6	0	0	
0	0	0	0	0	0	2	0	0	0	0	
25353	6226	1432	17747	57694	1380	162580	21368	2274	2095	2663	189

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Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
1	0	0	0	0	0	1
113	52	4	1	3	7	196
141	1	0	0	0	0	294
2274	139	9	19	37	11	3008
4769	129	15	4	14	12	6592
1578	138	55	2	4	2	4004
854	5	2	0	0	0	1201
10022	209	42	1	1	1	11648
20501	11527	602	556	1057	716	23557
1464	8	13	0	0	0	2143
9631	1642	332	71	122	42	11963
51128	3738	426	613	438	732	73413
13627	1180	437	28	42	25	19328
12352	499	76	44	47	32	14751
277	266	19	25	25	11	513
4204	137	16	0	0	0	4683
2042	924	92	681	850	260	3749
8454	91	38	1	4	5	10136
679	9	2	1	1	2	833
5086	432	37	9	13	5	6410
1184	54	5	28	2	3	2371
564	15	3	8	1	8	1407
471	17	3	0	0	0	670
9346	114	25	3	2	14	11536
1731	33	15	0	0	1	2191
85	9	6	0	0	1	169
2	0	0	0	0	0	2
162580	21368	2274	2095	2663	1890	216769

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Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First		
Occupational series				Acquisition position and designated	Possible error of omission	Un- des
		6	0	0	0	
0000	UNEMPLOYED	2	0	0	0	
0006	CORRECTIONAL INSTITUTION ADMINISTRATION	31	0	0	0	
0018	SAFETY AND OCCUPATIONAL HEALTH	1012	2	0	0	
0019	SAFETY TECHNICIAN	87	0	0	0	
0020	COMMUNITY PLANNING	41	0	0	0	
0021	COMMUNITY PLANNING TECHNICIAN	5	0	0	0	
0025	PARK RANGER	1	0	0	0	
0028	ENVIRONMENTAL PROTECTION SPECIALIST	793	4	0	0	
0029	ENVIRONMENTAL PROTECTION ASSISTANT	87	0	0	0	
0030	SPORTS SPECIALIST	36	0	0	0	
0050	FUNERAL DIRECTING	1	0	0	0	
0060	CHAPLAIN	3	0	0	0	
0062	CLOTHING DESIGN	7	0	0	0	
0072	FINGERPRINT IDENTIFICATION	4	0	0	0	
0080	SECURITY ADMINISTRATION	1088	5	0	0	
0081	FIRE PROTECTION AND PREVENTION	4438	1	0	0	
0082	UNITED STATES MARSHAL	1	0	0	0	
0083	POLICE	2071	0	0	0	
0085	SECURITY GUARD	746	0	0	0	
0086	SECURITY CLERICAL AND ASSISTANCE	616	0	0	0	
0099	GENERAL STUDENT TRAINEE	181	0	0	0	
0101	SOCIAL SCIENCE	495	1	0	0	
0102	SOCIAL SCIENCE AID AND TECHNICIAN	36	0	0	0	
0110	ECONOMIST	11	4	0	0	
0131	INTERNATIONAL RELATIONS	8	0	0	0	
0132	INTELLIGENCE	738	0	0	0	
0134	INTELLIGENCE AID AND CLERK	48	0	0	0	
0142	MANPOWER DEVELOPMENT	8	0	0	0	
0150	GEOGRAPHY	8	0	0	0	
0170	HISTORY	44	0	0	0	
0180	PSYCHOLOGY	305	50	0	0	
0181	PSYCHOLOGY AID AND TECHNICIAN	5	0	0	0	
0185	SOCIAL WORK	420	0	0	0	
0186	SOCIAL SERVICES AID AND ASSISTANT	126	0	0	0	
0187	SOCIAL SERVICES	65	0	0	0	
0188	RECREATION SPECIALIST	546	0	0	0	
0189	RECREATION AID AND ASSISTANT	528	0	0	0	
0193	ARCHEOLOGY	10	0	0	0	
0199	SOCIAL SCIENCE STUDENT TRAINEE	5	0	0	0	
0201	PERSONNEL MANAGEMENT	1128	4	0	0	
0203	PERSONNEL CLERICAL AND ASSISTANCE	1396	0	0	0	
0204	MILITARY PERSONNEL CLERICAL AND	1713	0	0	0	
0205	MILITARY PERSONNEL MANAGEMENT	164	0	0	0	
0212	PERSONNEL STAFFING	274	0	0	0	
0221	POSITION CLASSIFICATION	121	0	0	0	
0222	OCCUPATIONAL ANALYSIS	3	0	0	0	
0230	EMPLOYEE RELATIONS	324	1	0	0	
0233	LABOR RELATIONS	199	0	0	0	
0235	EMPLOYEE DEVELOPMENT	318	0	0	0	
0246	CONTRACTOR INDUSTRIAL RELATIONS	5	1	0	0	
0260	EQUAL EMPLOYMENT OPPORTUNITY	320	1	0	0	
0299	PERSONNEL MANAGEMENT STUDENT TRAINEE	37	0	0	0	
0301	MISCELLANEOUS ADMINISTRATION & PROGRAM	2863	284	0	0	
0302	MESSENGER	13	0	0	0	
0303	MISCELLANEOUS CLERK & ASSISTANT	4855	50	0	0	
0304	INFORMATION RECEPTIONIST	70	0	0	0	
0305	MAIL AND FILE	1276	0	0	0	
0309	CORRESPONDENCE CLERK	23	0	0	0	
0312	CLERK-STENOGRAPHER AND REPORTER	13	0	0	0	
0313	WORK UNIT SUPERVISING	3	0	0	0	

Total ations	Navy- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cum				
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	
6	0	0	0	0	0	0	0	6	0	0	0	0
2	0	0	0	0	0	0	0	2	0	0	0	0
31	0	0	0	0	0	0	0	31	0	0	0	0
1012	2	0	0	2	1010	0	0	0	1	0	1	1
87	0	0	0	0	0	0	0	87	0	0	0	0
41	0	0	0	0	0	0	0	41	0	0	0	0
5	0	0	0	0	0	0	0	5	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0
793	4	0	0	4	789	0	0	0	1	0	2	7
87	0	0	0	0	0	0	0	87	0	0	0	0
36	0	0	0	0	0	0	0	36	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0
7	0	0	0	0	0	0	0	7	0	0	0	0
4	0	0	0	0	0	0	0	4	0	0	0	0
1088	5	0	0	0	0	0	5	1083	0	0	0	0
4438	1	0	0	0	0	0	1	4437	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0
2071	0	0	0	0	0	0	0	2071	0	0	0	0
746	0	0	0	0	0	0	0	746	0	0	0	0
616	0	0	0	0	0	0	0	616	0	0	0	0
181	0	0	0	0	0	0	0	181	0	0	0	0
495	1	0	0	0	0	0	1	494	0	0	0	0
36	0	0	0	0	0	0	0	36	0	0	0	0
11	4	0	0	4	7	0	0	0	4	0	0	0
8	0	0	0	0	0	0	0	8	0	0	0	0
738	0	0	0	0	0	0	0	738	0	0	0	0
48	0	0	0	0	0	0	0	48	0	0	0	0
8	0	0	0	0	0	0	0	8	0	0	0	0
8	0	0	0	0	0	0	0	8	0	0	0	0
44	0	0	0	0	0	0	0	44	0	0	0	0
305	50	0	0	50	255	0	0	0	42	2	5	8
5	0	0	0	0	0	0	0	5	0	0	0	0
420	0	0	0	0	0	0	0	420	0	0	0	0
126	0	0	0	0	0	0	0	126	0	0	0	0
65	0	0	0	0	0	0	0	65	0	0	0	0
546	0	0	0	0	0	0	0	546	0	0	0	0
528	0	0	0	0	0	0	0	528	0	0	0	0
10	0	0	0	0	0	0	0	10	0	0	0	0
5	0	0	0	0	0	0	0	5	0	0	0	0
1128	4	0	0	0	0	0	4	1124	0	0	0	0
1396	0	0	0	0	0	0	0	1396	0	0	0	0
1713	0	0	0	0	0	0	0	1713	0	0	0	0
164	0	0	0	0	0	0	0	164	0	0	0	0
274	0	0	0	0	0	0	0	274	0	0	0	0
121	0	0	0	0	0	0	0	121	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0
324	1	0	0	0	0	0	1	323	0	0	0	0
199	0	0	0	0	0	0	0	199	0	0	0	0
318	0	0	0	0	0	0	0	318	0	0	0	0
5	1	0	0	0	0	0	1	4	0	0	0	0
320	1	0	0	0	0	0	1	319	0	0	0	0
37	0	0	0	0	0	0	0	37	0	0	0	0
2863	284	0	0	284	2579	0	0	0	199	24	71	113
13	0	0	0	0	0	0	0	13	0	0	0	0
4855	50	0	0	0	0	0	50	4805	0	0	0	0
70	0	0	0	0	0	0	0	70	0	0	0	0
1276	0	0	0	0	0	0	0	1276	0	0	0	0
23	0	0	0	0	0	0	0	23	0	0	0	0
13	0	0	0	0	0	0	0	13	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0

		Second stage of algorithm—cumulative results					
ble of sion	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	6	0	0	0	0	0	6
0	2	0	0	0	0	0	2
0	31	0	0	0	0	0	31
0	0	1	0	1	1	0	1009
0	87	0	0	0	0	0	87
0	41	0	0	0	0	0	41
0	5	0	0	0	0	0	5
0	1	0	0	0	0	0	1
0	0	1	0	2	7	1	782
0	87	0	0	0	0	0	87
0	36	0	0	0	0	0	36
0	1	0	0	0	0	0	1
0	3	0	0	0	0	0	3
0	7	0	0	0	0	0	7
0	4	0	0	0	0	0	4
5	1083	0	0	0	0	5	1083
1	4437	0	0	0	0	1	4437
0	1	0	0	0	0	0	1
0	2071	0	0	0	0	0	2071
0	746	0	0	0	0	0	746
0	616	0	0	0	0	0	616
0	181	0	0	0	0	0	181
1	494	0	0	0	0	1	494
0	36	0	0	0	0	0	36
0	0	4	0	0	0	0	7
0	8	0	0	0	0	0	8
0	738	0	0	0	0	0	738
0	48	0	0	0	0	0	48
0	8	0	0	0	0	0	8
0	8	0	0	0	0	0	8
0	44	0	0	0	0	0	44
0	0	42	2	5	8	3	245
0	5	0	0	0	0	0	5
0	420	0	0	0	0	0	420
0	126	0	0	0	0	0	126
0	65	0	0	0	0	0	65
0	546	0	0	0	0	0	546
0	528	0	0	0	0	0	528
0	10	0	0	0	0	0	10
0	5	0	0	0	0	0	5
4	1124	0	0	0	0	4	1124
0	1396	0	0	0	0	0	1396
0	1713	0	0	0	0	0	1713
0	164	0	0	0	0	0	164
0	274	0	0	0	0	0	274
0	121	0	0	0	0	0	121
0	3	0	0	0	0	0	3
1	323	0	0	0	0	1	323
0	199	0	0	0	0	0	199
0	318	0	0	0	0	0	318
1	4	0	0	0	0	1	4
1	319	0	0	0	0	1	319
0	37	0	0	0	0	0	37
0	0	199	24	71	113	14	2442
0	13	0	0	0	0	0	13
50	4805	0	0	0	0	50	4805
0	70	0	0	0	0	0	70
0	1276	0	0	0	0	0	1276
0	23	0	0	0	0	0	23
0	13	0	0	0	0	0	13
0	3	0	0	0	0	0	3

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Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	Firm		
Occupational series				Acquisition position and designated	Possible error of omission	Un- de-
0318	SECRETARY	8252	18	0	0	0
0319	CLOSED MICROPHONE REPORTING	38	0	0	0	0
0322	CLERK-TYPIST	494	0	0	0	0
0326	OFFICE AUTOMATION CLERICAL AND	2710	1	0	0	0
0332	COMPUTER OPERATION	732	0	0	0	0
0334 *	COMPUTER SPECIALIST	8277	481	0	0	0
0335	COMPUTER CLERK & ASSISTANT	1181	8	0	0	0
0340 *	PROGRAM MANAGEMENT	397	262	0	0	0
0341	ADMINISTRATIVE OFFICER	819	79	0	0	0
0342	SUPPORT SERVICES ADMINISTRATION	330	2	0	0	0
0343 *	MANAGEMENT AND PROGRAM ANALYSIS	5577	1322	0	0	0
0344	MANAGEMENT CLERICAL AND ASSISTANCE	1479	26	0	0	0
0346 *	LOGISTICS MANAGEMENT	2955	1817	0	0	0
0350	EQUIPMENT OPERATOR	363	0	0	0	0
0351	PRINTING CLERICAL	98	0	0	0	0
0356	DATA TRANSCRIBER	97	0	0	0	0
0357	CODING	31	0	0	0	0
0359	ELECTRIC ACCOUNTING MACHINE OPERATION	5	0	0	0	0
0361	EQUAL OPPORTUNITY ASSISTANCE	63	0	0	0	0
0382	TELEPHONE OPERATING	141	0	0	0	0
0390	TELECOMMUNICATIONS PROCESSING	195	0	0	0	0
0391 *	TELECOMMUNICATIONS	734	46	0	0	0
0392 *	GENERAL TELECOMMUNICATIONS	290	0	0	0	0
0393		4	0	0	0	0
0394	COMMUNICATIONS CLERICAL	81	0	0	0	0
0399	ADMINISTRATIVE/OFFICE SUPPORT STUDENT	334	3	0	0	0
0401 *	GENERAL BIOLOGICAL SCIENCE	108	4	0	0	0
0403 *	MICROBIOLOGY	34	0	0	0	0
0404	BIOLOGICAL SCIENCE TECHNICIAN	48	2	0	0	0
0408 *	ECOLOGY	12	0	0	0	0
0413 *	PHYSIOLOGY	25	4	0	0	0
0414 *	ENTOMOLOGY	15	0	0	0	0
0415 *	TOXICOLOGY	1	0	0	0	0
0430 *	BOTANY	2	0	0	0	0
0437 *	HORTICULTURE	1	0	0	0	0
0440 *	GENETICS	2	0	0	0	0
0457 *	SOIL CONSERVATION	9	0	0	0	0
0458	SOIL CONSERVATION TECHNICIAN	3	0	0	0	0
0460 *	FORESTRY	18	0	0	0	0
0462	FORESTRY TECHNICIAN	14	0	0	0	0
0470 *	SOIL SCIENCE	1	0	0	0	0
0471 *	AGRONOMY	1	0	0	0	0
0480	GENERAL FISH AND WILDLIFE	5	0	0	0	0
0482	FISHERY BIOLOGY	1	0	0	0	0
0486 *	WILDLIFE BIOLOGY	12	0	0	0	0
0493	HOME ECONOMICS	4	0	0	0	0
0499	BIOLOGICAL SCIENCE STUDENT TRAINEE	2	0	0	0	0
0501 *	FINANCIAL ADMINISTRATION AND PROGRAM	670	48	0	0	0
0503	FINANCIAL CLERICAL AND ASSISTANCE	492	1	0	0	0
0505 *	FINANCIAL MANAGEMENT	250	18	0	0	0
0510 *	ACCOUNTING	777	40	0	0	0
0511 *	AUDITING	516	0	0	0	0
0525	ACCOUNTING TECHNICIAN	2161	6	0	0	0
0530	CASH PROCESSING	90	0	0	0	0
0540	VOUCHER EXAMINING	545	2	0	0	0
0544	CIVILIAN PAY	361	0	0	0	0
0545	MILITARY PAY	466	0	0	0	0
0560 *	BUDGET ANALYSIS	2824	291	0	0	0
0561	BUDGET CLERICAL AND ASSISTANCE	1149	12	0	0	0
0599	FINANCIAL MANAGEMENT STUDENT TRAINEE	41	0	0	0	0
0601	GENERAL HEALTH SCIENCE	37	0	0	0	0

Total missions	Navy- designated acquisition positions	First stage of algorithm						Second stage of algorithm—cur				
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	
8252	18	0	0	0	0	18	8234	0	0	0	0	0
38	0	0	0	0	0	0	38	0	0	0	0	0
494	0	0	0	0	0	0	494	0	0	0	0	0
2710	1	0	0	0	0	1	2709	0	0	0	0	0
732	0	0	0	0	0	0	732	0	0	0	0	0
8277	481	0	0	481	7796	0	0	174	34	224	251	0
1181	8	0	0	0	0	8	1173	0	0	0	0	0
397	262	0	0	262	135	0	0	246	7	16	29	0
819	79	0	0	0	0	79	740	0	0	0	0	0
330	2	0	0	0	0	2	328	0	0	0	0	0
5577	1322	0	0	1322	4255	0	0	1164	134	126	365	0
1479	26	0	0	0	0	26	1453	0	0	0	0	0
2955	1817	0	0	1817	1138	0	0	1684	122	120	206	0
363	0	0	0	0	0	0	363	0	0	0	0	0
98	0	0	0	0	0	0	98	0	0	0	0	0
97	0	0	0	0	0	0	97	0	0	0	0	0
31	0	0	0	0	0	0	31	0	0	0	0	0
5	0	0	0	0	0	0	5	0	0	0	0	0
63	0	0	0	0	0	0	63	0	0	0	0	0
141	0	0	0	0	0	0	141	0	0	0	0	0
195	0	0	0	0	0	0	195	0	0	0	0	0
734	46	0	0	46	688	0	0	23	4	22	17	0
290	0	0	0	0	290	0	0	0	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
81	0	0	0	0	0	0	81	0	0	0	0	0
334	3	0	0	0	0	3	331	0	0	0	0	0
108	4	0	0	4	104	0	0	0	0	4	6	0
34	0	0	0	0	34	0	0	0	0	0	0	0
48	2	0	0	0	0	2	46	0	0	0	0	0
12	0	0	0	0	12	0	0	0	0	0	0	0
25	4	0	0	4	21	0	0	4	0	0	0	0
15	0	0	0	0	15	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0	0
2	0	0	0	0	2	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0	0
2	0	0	0	0	2	0	0	0	0	0	0	0
9	0	0	0	0	9	0	0	0	0	0	0	0
3	0	0	0	0	0	0	3	0	0	0	0	0
18	0	0	0	0	18	0	0	0	0	0	0	0
14	0	0	0	0	0	0	14	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	5	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0
12	0	0	0	0	12	0	0	0	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0	0
670	48	0	0	48	622	0	0	46	2	1	3	0
492	1	0	0	0	0	1	491	0	0	0	0	0
250	18	0	0	18	232	0	0	18	0	0	0	0
777	40	0	0	40	737	0	0	31	2	8	12	0
516	0	0	0	0	516	0	0	0	0	0	0	0
2161	6	0	0	0	0	6	2155	0	0	0	0	0
90	0	0	0	0	0	0	90	0	0	0	0	0
545	2	0	0	0	0	2	543	0	0	0	0	0
361	0	0	0	0	0	0	361	0	0	0	0	0
466	0	0	0	0	0	0	466	0	0	0	0	0
2824	291	0	0	291	2533	0	0	231	14	51	32	0
1149	12	0	0	0	0	12	1137	0	0	0	0	0
41	0	0	0	0	0	0	41	0	0	0	0	0
37	0	0	0	0	0	0	37	0	0	0	0	0

		Second stage of algorithm—cumulative results					
Possible error of omission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
18	8234	0	0	0	0	18	8234
0	38	0	0	0	0	0	38
0	494	0	0	0	0	0	494
1	2709	0	0	0	0	1	2709
0	732	0	0	0	0	0	732
0	0	174	34	224	251	83	7511
8	1173	0	0	0	0	8	1173
0	0	246	7	16	29	0	99
79	740	0	0	0	0	79	740
2	328	0	0	0	0	2	328
0	0	1164	134	126	365	32	3756
26	1453	0	0	0	0	26	1453
0	0	1684	122	120	206	13	810
0	363	0	0	0	0	0	363
0	98	0	0	0	0	0	98
0	97	0	0	0	0	0	97
0	31	0	0	0	0	0	31
0	5	0	0	0	0	0	5
0	63	0	0	0	0	0	63
0	141	0	0	0	0	0	141
0	195	0	0	0	0	0	195
0	0	23	4	22	17	1	667
0	0	0	0	0	0	0	290
0	4	0	0	0	0	0	4
0	81	0	0	0	0	0	81
3	331	0	0	0	0	3	331
0	0	0	0	4	6	0	98
0	0	0	0	0	0	0	34
2	46	0	0	0	0	2	46
0	0	0	0	0	0	0	12
0	0	4	0	0	0	0	21
0	0	0	0	0	0	0	15
0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	9
0	3	0	0	0	0	0	3
0	0	0	0	0	0	0	18
0	14	0	0	0	0	0	14
0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	1
0	5	0	0	0	0	0	5
0	1	0	0	0	0	0	1
0	0	0	0	0	0	0	12
0	4	0	0	0	0	0	4
0	2	0	0	0	0	0	2
0	0	46	2	1	3	1	617
1	491	0	0	0	0	1	491
0	0	18	0	0	0	0	232
0	0	31	2	8	12	1	723
0	0	0	0	0	0	0	516
6	2155	0	0	0	0	6	2155
0	90	0	0	0	0	0	90
2	543	0	0	0	0	2	543
0	361	0	0	0	0	0	361
0	466	0	0	0	0	0	466
0	0	231	14	51	32	9	2487
12	1137	0	0	0	0	12	1137
0	41	0	0	0	0	0	41
0	37	0	0	0	0	0	37

Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First		
Occupational series				Acquisition position and designated	Possible error of omission	Unce designr
0602	MEDICAL OFFICER	111	1	0	0	
0603	PHYSICIAN'S ASSISTANT	45	0	0	0	
0610	NURSE	1181	0	0	0	
0620	PRACTICAL NURSE	448	0	0	0	
0621	NURSING ASSISTANT	28	0	0	0	
0622	MEDICAL SUPPLY AIDE AND TECHNICIAN	46	0	0	0	
0625	AUTOPSY ASSISTANT	2	0	0	0	
0630	DIETITIAN AND NUTRITIONIST	27	0	0	0	
0631	OCCUPATIONAL THERAPIST	16	0	0	0	
0633	PHYSICAL THERAPIST	11	0	0	0	
0636	REHABILITATION THERAPY ASSITANT	6	0	0	0	
0638	RECREATION/CREATIVE ARTS THERAPIST	1	0	0	0	
0640	HEALTH AID AND TECHNICIAN	391	0	0	0	
0642	NUCLEAR MEDICINE TECHNICIAN	3	0	0	0	
0644	MEDICAL TECHNOLOGIST	173	0	0	0	
0645	MEDICAL TECHNICIAN	131	0	0	0	
0646	PATHOLOGY TECHNICIAN	29	0	0	0	
0647	DIAGNOSTIC RADIOLOGIC TECHNOLOGIST	86	0	0	0	
0648	THERAPEUTIC RADIOLOGIC TECHNOLOGIST	6	0	0	0	
0649	MEDICAL INSTRUMENT TECHNICIAN	46	0	0	0	
0651	RESPIRATORY THERAPIST	38	0	0	0	
0660 *	PHARMACIST	111	0	0	0	
0661	PHARMACY TECHNICIAN	91	0	0	0	
0662	OPTOMETRIST	9	0	0	0	
0665	SPEECH PATHOLOGY AND AUDIOLOGY	65	0	0	0	
0667	ORTHOTIST AND PROSTHETIST	3	0	0	0	
0669	MEDICAL RECORDS ADMINISTRATION	36	0	0	0	
0670	HEALTH SYSTEM ADMINISTRATION	3	0	0	0	
0671	HEALTH SYSTEM SPECIALIST	129	0	0	0	
0673	HOSPITAL HOUSEKEEPING MANAGEMENT	8	0	0	0	
0675	MEDICAL RECORD TECHNICIAN	430	0	0	0	
0679	MEDICAL CLERK	873	0	0	0	
0681	DENTAL ASSISTANT	231	0	0	0	
0682	DENTAL HYGIENE	41	0	0	0	
0683	DENTAL LABORATORY AID AND TECHNICIAN	18	0	0	0	
0688	SANITARIAN	2	0	0	0	
0690	INDUSTRIAL HYGIENE	302	0	0	0	
0698	ENVIRONMENTAL HEALTH TECHNICIAN	35	0	0	0	
0699	MEDICAL & HEALTH STUDENT TRAINEE	19	0	0	0	
0701	VETERINARY MEDICAL SCIENCE	3	0	0	0	
0801 *	GENERAL ENGINEERING	3666	1658	0	0	
0802	ENGINEERING TECHNICIAN	7306	256	0	0	
0803 *	SAFETY ENGINEERING	58	6	0	0	
0804 *	FIRE PREVENTION ENGINEERING	46	5	0	0	
0806 *	MATERIALS ENGINEERING	338	155	0	0	
0807	LANDSCAPE ARCHITECTURE	25	0	0	0	
0808 *	ARCHITECTURE	402	17	0	0	
0809 *	CONSTRUCTION CONTROL	369	9	0	0	
0810 *	CIVIL ENGINEERING	997	37	0	0	
0817	SURVEYING TECHNICIAN	11	0	0	0	
0818	ENGINEERING DRAFTING	72	0	0	0	
0819 *	ENVIRONMENTAL ENGINEERING	1193	25	0	0	
0830 *	MECHANICAL ENGINEERING	5991	1427	0	0	
0840 *	NUCLEAR ENGINEERING	1809	13	0	0	
0850 *	ELECTRICAL ENGINEERING	1370	293	0	0	
0854 *	COMPUTER ENGINEERING	464	143	0	0	
0855 *	ELECTRONICS ENGINEERING	12436	5314	0	0	
0856	ELECTRONICS TECHNICIAN	5294	285	0	0	
0858 *	BIOMEDICAL ENGINEERING	15	3	0	0	
0861 *	AEROSPACE ENGINEERING	1696	1299	0	0	
0871 *	NAVAL ARCHITECTURE	899	238	0	0	

y- ated tion ons	First stage of algorithm						Second stage of algorithm—cumulative resul						N
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission		
1	0	0	0	0	0	1	110	0	0	0	0	1	
0	0	0	0	0	0	0	45	0	0	0	0	0	
0	0	0	0	0	0	0	1181	0	0	0	0	0	
0	0	0	0	0	0	0	448	0	0	0	0	0	
0	0	0	0	0	0	0	28	0	0	0	0	0	
0	0	0	0	0	0	0	46	0	0	0	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	0	0	27	0	0	0	0	0	
0	0	0	0	0	0	0	16	0	0	0	0	0	
0	0	0	0	0	0	0	11	0	0	0	0	0	
0	0	0	0	0	0	0	6	0	0	0	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	0	0	391	0	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	
0	0	0	0	0	0	0	173	0	0	0	0	0	
0	0	0	0	0	0	0	131	0	0	0	0	0	
0	0	0	0	0	0	0	29	0	0	0	0	0	
0	0	0	0	0	0	0	86	0	0	0	0	0	
0	0	0	0	0	0	0	6	0	0	0	0	0	
0	0	0	0	0	0	0	46	0	0	0	0	0	
0	0	0	0	0	0	0	38	0	0	0	0	0	
0	0	0	0	111	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	91	0	0	0	0	0	
0	0	0	0	0	0	0	9	0	0	0	0	0	
0	0	0	0	0	0	0	65	0	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	
0	0	0	0	0	0	0	36	0	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	
0	0	0	0	0	0	0	129	0	0	0	0	0	
0	0	0	0	0	0	0	8	0	0	0	0	0	
0	0	0	0	0	0	0	430	0	0	0	0	0	
0	0	0	0	0	0	0	873	0	0	0	0	0	
0	0	0	0	0	0	0	231	0	0	0	0	0	
0	0	0	0	0	0	0	41	0	0	0	0	0	
0	0	0	0	0	0	0	18	0	0	0	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	0	0	302	0	0	0	0	0	
0	0	0	0	0	0	0	35	0	0	0	0	0	
0	0	0	0	0	0	0	19	0	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	0	
658	0	0	1658	2008	0	0	0	1604	88	46	80	8	
256	0	0	0	0	256	7050	0	0	0	0	256	0	
6	0	0	6	52	0	0	0	5	0	1	1	0	
5	0	0	5	41	0	0	0	5	0	0	0	0	
155	0	0	155	183	0	0	0	142	4	13	20	0	
0	0	0	0	0	0	0	25	0	0	0	0	0	
17	0	0	17	385	0	0	0	12	0	0	0	5	
9	0	0	9	360	0	0	0	5	0	1	2	3	
37	0	0	37	960	0	0	0	33	0	1	8	3	
0	0	0	0	0	0	0	11	0	0	0	0	0	
0	0	0	0	0	0	0	72	0	0	0	0	0	
25	0	0	25	1168	0	0	0	20	2	4	10	1	
427	0	0	1427	4564	0	0	0	1222	57	162	113	43	
13	0	0	13	1796	0	0	0	13	0	0	0	0	
293	0	0	293	1077	0	0	0	285	6	6	18	2	
143	0	0	143	321	0	0	0	124	3	14	40	5	
314	0	0	5314	7122	0	0	0	4421	241	733	853	160	
285	0	0	0	0	285	5009	0	0	0	0	0	285	
3	0	0	3	12	0	0	0	3	0	0	0	0	
299	0	0	1299	397	0	0	0	1249	33	50	105	0	
238	0	0	238	661	0	0	0	238	6	0	0	0	

②

Second stage of algorithm—cumulative results						
Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
110	0	0	0	0	1	110
45	0	0	0	0	0	45
1181	0	0	0	0	0	1181
448	0	0	0	0	0	448
28	0	0	0	0	0	28
46	0	0	0	0	0	46
2	0	0	0	0	0	2
27	0	0	0	0	0	27
16	0	0	0	0	0	16
11	0	0	0	0	0	11
6	0	0	0	0	0	6
1	0	0	0	0	0	1
391	0	0	0	0	0	391
3	0	0	0	0	0	3
173	0	0	0	0	0	173
131	0	0	0	0	0	131
29	0	0	0	0	0	29
86	0	0	0	0	0	86
6	0	0	0	0	0	6
46	0	0	0	0	0	46
38	0	0	0	0	0	38
0	0	0	0	0	0	111
91	0	0	0	0	0	91
9	0	0	0	0	0	9
65	0	0	0	0	0	65
3	0	0	0	0	0	3
36	0	0	0	0	0	36
3	0	0	0	0	0	3
129	0	0	0	0	0	129
8	0	0	0	0	0	8
430	0	0	0	0	0	430
873	0	0	0	0	0	873
231	0	0	0	0	0	231
41	0	0	0	0	0	41
18	0	0	0	0	0	18
2	0	0	0	0	0	2
302	0	0	0	0	0	302
35	0	0	0	0	0	35
19	0	0	0	0	0	19
3	0	0	0	0	0	3
0	1604	88	46	80	8	1840
7050	0	0	0	0	256	7050
0	5	0	1	1	0	51
0	5	0	0	0	0	41
0	142	4	13	20	0	159
25	0	0	0	0	0	25
0	12	0	0	0	5	385
0	5	0	1	2	3	358
0	33	0	1	8	3	952
11	0	0	0	0	0	11
72	0	0	0	0	0	72
0	20	2	4	10	1	1156
0	1222	57	162	113	43	4394
0	13	0	0	0	0	1796
0	285	6	6	18	2	1053
0	124	3	14	40	5	278
0	4421	241	733	853	160	6028
5009	0	0	0	0	285	5009
0	3	0	0	0	0	12
0	1249	33	50	105	0	259
0	238	6	0	0	0	655

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Table H-2. Summary of Navy Algorithm Results by Occupational Series

		First				
Occupational series		Total positions	Navy-designated acquisition positions	Acquisition position and designated	Possible error of omission	Unce desig
0873	SHIP SURVEYING	62	0	0	0	
0881 *	PETROLEUM ENGINEERING	1	0	0	0	
0892 *	CERAMIC ENGINEERING	9	0	0	0	
0893 *	CHEMICAL ENGINEERING	298	35	0	0	
0894 *	WELDING ENGINEERING	56	6	0	0	
0895	INDUSTRIAL ENGINEERING TECHNICIAN	544	29	0	0	
0896 *	INDUSTRIAL ENGINEERING	752	259	0	0	
0899	ENGINEERING AND ARCHITECTURE STUDENT	326	2	0	0	
0904	LAW CLERK	3	0	0	0	
0905	GENERAL ATTORNEY	542	6	0	0	
0945	CLERK OF COURT	2	0	0	0	
0950	PARALEGAL SPECIALIST	123	1	0	0	
0962	CONTACT REPRESENTATIVE	232	0	0	0	
0986	LEGAL CLERICAL AND ASSISTANCE	276	0	0	0	
0990	GENERAL CLAIMS EXAMINING	45	0	0	0	
0992	LOSS AND DAMAGE CLAIMS EXAMINING	3	0	0	0	
0995	DEPENDENTS AND ESTATES CLAIMS EXAMINING	4	0	0	0	
0998	CLAIMS CLERICAL	91	0	0	0	
0999	LEGAL OCCUPATION STUDENT TRAINEE	1	0	0	0	
1001	GENERAL ARTS AND INFORMATION	136	3	0	0	
1008	INTERIOR DESIGN	10	0	0	0	
1010	EXHIBITS SPECIALIST	30	0	0	0	
1015	MUSEUM CURATOR	24	0	0	0	
1016	MUSEUM SPECIALIST AND TECHNICIAN	32	0	0	0	
1020	ILLUSTRATING	148	0	0	0	
1021	OFFICE DRAFTING	3	0	0	0	
1035	PUBLIC AFFAIRS	362	0	0	0	
1040	LANGUAGE SPECIALIST	15	0	0	0	
1046	LANGUAGE CLERICAL	8	0	0	0	
1051	MUSIC SPECIALIST	2	0	0	0	
1060	PHOTOGRAPHY	218	0	0	0	
1071	AUDIOVISUAL PRODUCTION	140	0	0	0	
1082	WRITING AND EDITING	154	0	0	0	
1083	TECHNICAL WRITING AND EDITING	337	20	0	0	
1084	VISUAL INFORMATION	288	0	0	0	
1087	EDITORIAL ASSISTANCE	192	0	0	0	
1099	INFORMATION AND ARTS STUDENT TRAINEE	8	0	0	0	
1101 *	GENERAL BUSINESS AND INDUSTRY	1344	139	0	0	
1102 *	CONTRACTING	4671	4671	4671	0	
1103 *	INDUSTRIAL PROPERTY MANAGEMENT	89	67	0	0	
1104 *	PROPERTY DISPOSAL	26	1	0	0	
1105 *	PURCHASING	1555	1439	1439	116	
1106 *	PROCUREMENT CLERICAL AND ASSISTANCE	1432	116	116	1316	
1107	PROPERTY DISPOSAL CLERICAL AND	14	0	0	0	
1130 *	PUBLIC UTILITIES SPECIALIST	8	0	0	0	
1150 *	INDUSTRIAL SPECIALIST	463	189	0	0	
1152 *	PRODUCTION CONTROL	2223	120	0	0	
1160 *	FINANCIAL ANALYSIS	2	0	0	0	
1163	INSURANCE EXAMINING	1	1	0	0	
1170 *	REALTY	119	0	0	0	
1171 *	APPRAISING AND ASSESSING	10	0	0	0	
1173	HOUSING MANAGEMENT	1005	2	0	0	
1176	BUILDING MANAGEMENT	5	0	0	0	
1199	BUSINESS AND INDUSTRY STUDENT TRAINEE	45	7	0	0	
1221	PATENT ADVISER	2	0	0	0	
1222	PATENT ATTORNEY	55	0	0	0	
1301 *	GENERAL PHYSICAL SCIENCE	410	30	0	0	
1306 *	HEALTH PHYSICS	276	0	0	0	
1310 *	PHYSICS	1474	261	0	0	
1311	PHYSICAL SCIENCE TECHNICIAN	1232	0	0	0	
1313 *	GEOPHYSICS	84	2	0	0	

avy- gnated ision itions	First stage of algorithm						Second stage of algorithm—cumulative res					
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	
0	0	0	0	0	0	62	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	0	
0	0	0	0	0	9	0	0	0	0	0	0	
35	0	0	35	263	0	0	24	1	10	1	1	
6	0	0	6	50	0	0	6	0	0	0	0	
29	0	0	0	0	29	515	0	0	0	0	29	
259	0	0	259	493	0	0	235	20	20	27	4	
2	0	0	0	0	0	2	324	0	0	0	2	
0	0	0	0	0	0	0	3	0	0	0	0	
6	0	0	0	0	0	6	536	0	0	0	6	
0	0	0	0	0	0	0	2	0	0	0	0	
1	0	0	0	0	0	1	122	0	0	0	1	
0	0	0	0	0	0	0	232	0	0	0	0	
0	0	0	0	0	0	0	276	0	0	0	0	
0	0	0	0	0	0	0	45	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	
0	0	0	0	0	0	0	4	0	0	0	0	
0	0	0	0	0	0	0	91	0	0	0	0	
0	0	0	0	0	0	0	1	0	0	0	0	
3	0	0	0	0	0	3	133	0	0	0	3	
0	0	0	0	0	0	0	10	0	0	0	0	
0	0	0	0	0	0	0	30	0	0	0	0	
0	0	0	0	0	0	0	24	0	0	0	0	
0	0	0	0	0	0	0	32	0	0	0	0	
0	0	0	0	0	0	0	148	0	0	0	0	
0	0	0	0	0	0	0	3	0	0	0	0	
0	0	0	0	0	0	0	362	0	0	0	0	
0	0	0	0	0	0	0	15	0	0	0	0	
0	0	0	0	0	0	0	8	0	0	0	0	
0	0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	0	218	0	0	0	0	
0	0	0	0	0	0	0	140	0	0	0	0	
0	0	0	0	0	0	0	154	0	0	0	0	
20	0	0	0	0	0	20	317	0	0	0	20	
0	0	0	0	0	0	0	288	0	0	0	0	
0	0	0	0	0	0	0	192	0	0	0	0	
0	0	0	0	0	0	0	8	0	0	0	0	
139	0	0	139	1205	0	0	92	6	41	57	6	
4671	4671	0	0	0	0	0	4671	0	0	0	0	
67	0	0	67	22	0	0	66	1	1	1	0	
1	0	0	1	25	0	0	1	0	0	0	0	
1439	1439	116	0	0	0	0	1439	116	0	0	0	
116	116	1316	0	0	0	0	116	1316	0	0	0	
0	0	0	0	0	0	0	14	0	0	0	0	
0	0	0	0	8	0	0	0	0	0	0	0	
189	0	0	189	274	0	0	150	7	30	48	9	
120	0	0	120	2103	0	0	118	10	2	18	0	
0	0	0	0	2	0	0	0	0	0	0	0	
1	0	0	0	0	1	0	0	0	0	0	1	
0	0	0	0	119	0	0	0	0	0	0	0	
0	0	0	0	10	0	0	0	0	0	0	0	
2	0	0	0	0	0	2	1003	0	0	0	2	
0	0	0	0	0	0	0	5	0	0	0	0	
7	0	0	0	0	0	7	38	0	0	0	7	
0	0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	0	55	0	0	0	0	
30	0	0	30	380	0	0	26	0	3	5	1	
0	0	0	0	276	0	0	0	0	0	0	0	
261	0	0	261	1213	0	0	213	12	22	18	26	
0	0	0	0	0	0	0	1232	0	0	0	0	
2	0	0	2	82	0	0	0	2	0	0	0	

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
62	0	0	0	0	0	62
0	0	0	0	0	0	1
0	0	0	0	0	0	9
0	24	1	10	1	1	261
0	6	0	0	0	0	50
515	0	0	0	0	29	515
0	235	20	20	27	4	446
324	0	0	0	0	2	324
3	0	0	0	0	0	3
536	0	0	0	0	6	536
2	0	0	0	0	0	2
122	0	0	0	0	1	122
232	0	0	0	0	0	232
276	0	0	0	0	0	276
45	0	0	0	0	0	45
3	0	0	0	0	0	3
4	0	0	0	0	0	4
91	0	0	0	0	0	91
1	0	0	0	0	0	1
133	0	0	0	0	3	133
10	0	0	0	0	0	10
30	0	0	0	0	0	30
24	0	0	0	0	0	24
32	0	0	0	0	0	32
148	0	0	0	0	0	148
3	0	0	0	0	0	3
362	0	0	0	0	0	362
15	0	0	0	0	0	15
8	0	0	0	0	0	8
2	0	0	0	0	0	2
218	0	0	0	0	0	218
140	0	0	0	0	0	140
154	0	0	0	0	0	154
317	0	0	0	0	20	317
288	0	0	0	0	0	288
192	0	0	0	0	0	192
8	0	0	0	0	0	8
0	92	6	41	57	6	1142
0	4671	0	0	0	0	0
0	66	1	1	1	0	20
0	1	0	0	0	0	25
0	1439	116	0	0	0	0
0	116	1316	0	0	0	0
14	0	0	0	0	0	14
0	0	0	0	0	0	8
0	150	7	30	48	9	219
0	118	10	2	18	0	2075
0	0	0	0	0	0	2
0	0	0	0	0	1	0
0	0	0	0	0	0	119
0	0	0	0	0	0	10
1003	0	0	0	0	2	1003
5	0	0	0	0	0	5
38	0	0	0	0	7	38
2	0	0	0	0	0	2
55	0	0	0	0	0	55
0	26	0	3	5	1	375
0	0	0	0	0	0	276
0	213	12	22	18	26	1183
1232	0	0	0	0	0	1232
0	2	0	0	0	0	82

Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First		
Occupational series				Acquisition position and designated	Possible error of omission	Unce desigr
1315 *	HYDROLOGY	10	0	0	0	
1320 *	CHEMISTRY	664	89	0	0	
1321 *	METALLURGY	70	10	0	0	
1330 *	ASTRONOMY AND SPACE SCIENCE	134	0	0	0	
1340 *	METEOROLOGY	87	3	0	0	
1341	METEOROLOGICAL TECHNICIAN	70	0	0	0	
1350 *	GEOLOGY	27	3	0	0	
1360 *	OCEANOGRAPHY	318	10	0	0	
1361 *	NAVIGATIONAL INFORMATION	3	0	0	0	
1370 *	CARTOGRAPHY	8	0	0	0	
1371	CARTOGRAPHIC TECHNICIAN	17	0	0	0	
1372 *	GEODESY	1	0	0	0	
1373	LAND SURVEYING	4	0	0	0	
1374	GEODETIC TECHNICIAN	3	0	0	0	
1382 *	FOOD TECHNOLOGY	1	0	0	0	
1384 *	TEXTILE TECHNOLOGY	21	0	0	0	
1386 *	PHOTOGRAPHIC TECHNOLOGY	7	2	0	0	
1397	DOCUMENT ANALYSIS	4	0	0	0	
1399	PHYSICAL SCIENCE STUDENT TRAINEE	26	0	0	0	
1410	LIBRARIAN	201	0	0	0	
1411	LIBRARY TECHNICIAN	389	0	0	0	
1412	TECHNICAL INFORMATION SERVICES	81	1	0	0	
1420	ARCHIVIST	13	0	0	0	
1421	ARCHIVES TECHNICIAN	11	0	0	0	
1499	LIBRARY AND ARCHIVES STUDENT TRAINEE	3	0	0	0	
1515 *	OPERATIONS RESEARCH	684	296	0	0	
1520 *	MATHEMATICS	903	184	0	0	
1521	MATHEMATICS TECHNICIAN	14	1	0	0	
1529 *	MATHEMATICAL STATISTICIAN	41	6	0	0	
1530 *	STATISTICIAN	46	2	0	0	
1531	STATISTICAL ASSISTANT	23	0	0	0	
1550 *	COMPUTER SCIENCE	1579	438	0	0	
1599	MATHEMATICS AND STATISTICS STUDENT	68	0	0	0	
1601	GENERAL FACILITIES & EQUIPMENT	695	5	0	0	
1640	FACILITY MANAGEMENT	214	9	0	0	
1654	PRINTING MANAGEMENT	413	0	0	0	
1658	LAUNDRY AND DRY CLEANING PLANT	3	0	0	0	
1667	STEWARD	1	0	0	0	
1670	EQUIPMENT SPECIALIST	2552	100	0	0	
1701	GENERAL EDUCATION AND TRAINING	809	0	0	0	
1702	EDUCATION AND TRAINING TECHNICIAN	1896	0	0	0	
1710	EDUCATION AND VOCATIONAL TRAINING	426	1	0	0	
1712	TRAINING INSTRUCTION	635	16	0	0	
1720	EDUCATION PROGRAM	14	0	0	0	
1725	PUBLIC HEALTH EDUCATOR	13	0	0	0	
1730	EDUCATION RESEARCH	1	0	0	0	
1740	EDUCATION SERVICES	171	0	0	0	
1750	INSTRUCTIONAL SYSTEMS	310	42	0	0	
1799	EDUCATION STUDENT TRAINEE	5	0	0	0	
1801	GENERAL INSPECTION INVESTIGATION &	59	0	0	0	
1802	COMPLIANCE INSPECTION & SUPPORT	57	1	0	0	
1810	GENERAL INVESTIGATING	37	0	0	0	
1811	CRIMINAL INVESTIGATING	984	0	0	0	
1812	GAME LAW ENFORCEMENT	4	0	0	0	
1815	AIR SAFETY INVESTIGATING	7	0	0	0	
1890	CUSTOMS INSPECTION	9	1	0	0	
1910 *	QUALITY ASSURANCE	1584	512	0	0	
1999	QUALITY INSPECTION STUDENT TRAINEE	2	0	0	0	
2001	GENERAL SUPPLY	932	8	0	0	
2003	SUPPLY PROGRAM MANAGEMENT	1373	60	0	0	
2005	SUPPLY CLERICAL AND TECHNICIAN	4097	4	0	0	

Javy- gnated uision sitions	First stage of algorithm						Second stage of algorithm—cumulative res				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	10	0	0	0	0	0	0
89	0	0	0	89	575	0	0	86	5	1	4
10	0	0	0	10	60	0	0	10	0	0	0
0	0	0	0	0	134	0	0	0	0	0	0
3	0	0	0	3	84	0	0	1	0	2	0
0	0	0	0	0	0	0	70	0	0	0	0
3	0	0	0	3	24	0	0	3	1	0	0
10	0	0	0	10	308	0	0	0	1	7	7
0	0	0	0	0	3	0	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0	0
0	0	0	0	0	0	0	17	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	21	0	0	0	0	0	0
2	0	0	0	2	5	0	0	2	0	0	0
0	0	0	0	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	26	0	0	0	0
0	0	0	0	0	0	0	201	0	0	0	0
0	0	0	0	0	0	0	389	0	0	0	0
1	0	0	0	0	0	1	80	0	0	0	0
0	0	0	0	0	0	0	13	0	0	0	0
0	0	0	0	0	0	0	11	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0
296	0	0	0	296	388	0	0	272	15	24	31
184	0	0	0	184	719	0	0	158	21	17	24
1	0	0	0	0	0	1	13	0	0	0	0
6	0	0	0	6	35	0	0	4	0	2	2
2	0	0	0	2	44	0	0	1	0	1	1
0	0	0	0	0	0	0	23	0	0	0	0
438	0	0	0	438	1141	0	0	383	24	22	15
0	0	0	0	0	0	0	68	0	0	0	0
5	0	0	0	0	0	5	690	0	0	0	0
9	0	0	0	0	0	9	205	0	0	0	0
0	0	0	0	0	0	0	413	0	0	0	0
0	0	0	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
100	0	0	0	0	0	100	2452	0	0	0	100
0	0	0	0	0	0	0	809	0	0	0	0
0	0	0	0	0	0	0	1896	0	0	0	0
1	0	0	0	0	0	1	425	0	0	0	0
16	0	0	0	0	0	16	619	0	0	0	16
0	0	0	0	0	0	0	14	0	0	0	0
0	0	0	0	0	0	0	13	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	171	0	0	0	0
42	0	0	0	0	0	42	268	0	0	0	42
0	0	0	0	0	0	0	5	0	0	0	0
0	0	0	0	0	0	0	59	0	0	0	0
1	0	0	0	0	0	1	56	0	0	0	0
0	0	0	0	0	0	0	37	0	0	0	0
0	0	0	0	0	0	0	984	0	0	0	0
0	0	0	0	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	7	0	0	0	0
1	0	0	0	0	0	1	8	0	0	0	0
512	0	0	0	512	1072	0	0	452	24	46	43
0	0	0	0	0	0	0	2	0	0	0	0
8	0	0	0	0	0	8	924	0	0	0	8
60	0	0	0	0	0	60	1313	0	0	0	60
4	0	0	0	0	0	4	4093	0	0	0	4

		Second stage of algorithm—cumulative results						
Possible error of omission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	
0	0	0	0	0	0	0	0	10
0	0	86	5	1	4	2	566	
0	0	10	0	0	0	0	60	
0	0	0	0	0	0	0	134	
0	0	1	0	2	0	0	84	
0	70	0	0	0	0	0	70	
0	0	3	1	0	0	0	23	
0	0	0	1	7	7	3	300	
0	0	0	0	0	0	0	3	
0	0	0	0	0	0	0	8	
0	17	0	0	0	0	0	17	
0	0	0	0	0	0	0	1	
0	4	0	0	0	0	0	4	
0	3	0	0	0	0	0	3	
0	0	0	0	0	0	0	1	
0	0	0	0	0	0	0	21	
0	0	2	0	0	0	0	5	
0	4	0	0	0	0	0	4	
0	26	0	0	0	0	0	26	
0	201	0	0	0	0	0	201	
0	389	0	0	0	0	0	389	
1	80	0	0	0	0	1	80	
0	13	0	0	0	0	0	13	
0	11	0	0	0	0	0	11	
0	3	0	0	0	0	0	3	
0	0	272	15	24	31	0	342	
0	0	158	21	17	24	9	674	
1	13	0	0	0	0	1	13	
0	0	4	0	2	2	0	33	
0	0	1	0	1	1	0	43	
0	23	0	0	0	0	0	23	
0	0	383	24	22	15	33	1102	
0	68	0	0	0	0	0	68	
5	690	0	0	0	0	5	690	
9	205	0	0	0	0	9	205	
0	413	0	0	0	0	0	413	
0	3	0	0	0	0	0	3	
0	1	0	0	0	0	0	1	
100	2452	0	0	0	0	100	2452	
0	809	0	0	0	0	0	809	
0	1896	0	0	0	0	0	1896	
1	425	0	0	0	0	1	425	
16	619	0	0	0	0	16	619	
0	14	0	0	0	0	0	14	
0	13	0	0	0	0	0	13	
0	1	0	0	0	0	0	1	
0	171	0	0	0	0	0	171	
42	268	0	0	0	0	42	268	
0	5	0	0	0	0	0	5	
0	59	0	0	0	0	0	59	
1	56	0	0	0	0	1	56	
0	37	0	0	0	0	0	37	
0	984	0	0	0	0	0	984	
0	4	0	0	0	0	0	4	
0	7	0	0	0	0	0	7	
1	8	0	0	0	0	1	8	
0	0	452	24	46	43	14	1005	
0	2	0	0	0	0	0	2	
8	924	0	0	0	0	8	924	
60	1313	0	0	0	0	60	1313	
4	4093	0	0	0	0	4	4093	

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Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First st		
Occupational series				Acquisition position and designated	Possible error of omission	Uncerta designa
2010	INVENTORY MANAGEMENT	1120	45	0	0	
2030	DISTRIBUTION FACILITIES AND STORAGE MGT	111	0	0	0	
2032	PACKAGING	48	1	0	0	
2050	SUPPLY CATALOGING	52	0	0	0	
2091	SALES STORE CLERICAL	11	0	0	0	
2099	SUPPLY STUDENT TRAINEE	31	0	0	0	
2101	TRANSPORTATION SPECIALIST	124	1	0	0	
2102	TRANSPORTATION CLERK & ASSISTANT	1057	0	0	0	
2130	TRAFFIC MANAGEMENT	176	2	0	0	
2131	FREIGHT RATE	164	0	0	0	
2132	TRAVEL	88	3	0	0	
2133	PASSENGER RATE	1	0	0	0	
2134	SHIPMENT CLERICAL & ASSISTANCE	132	0	0	0	
2135	TRANSPORTATION LOSS AND DAMAGE CLAIMS	69	0	0	0	
2144	CARGO SCHEDULING	21	0	0	0	
2150	TRANSPORTATION OPERATIONS	266	2	0	0	
2151	DISPATCHING	123	0	0	0	
2152	AIR TRAFFIC CONTROL	182	0	0	0	
2154	AIR TRAFFIC ASSISTANCE	4	0	0	0	
2161	MARINE CARGO	34	0	0	0	
2181	AIRCRAFT OPERATION	9	4	0	0	
2199	TRANSPORTATION STUDENT TRAINEE	4	0	0	0	
2501	MISC WIRE COMMO EQUIP INSTL & MAINT	2	0	0	0	
2502	TELEPHONE MECHANIC	115	0	0	0	
2504	WIRE COMMUNICATIONS CABLE SPLICING	40	0	0	0	
2508	COMMUNICATIONS LINE INSTALLING AND	7	0	0	0	
2511	WIRE COMMUNICATIONS EQUIP INSTALLING &	4	0	0	0	
2601	MISC ELECTRONIC EQUIP INSTALLATION &	47	0	0	0	
2602	ELECTRONIC MEASUREMENT EQUIPMENT	528	0	0	0	
2604	ELECTRONICS MECHANIC	2396	0	0	0	
2606	ELECTRONIC INDUSTRIAL CONTROLS MECHANIC	251	0	0	0	
2608	ELECTRONIC DIGITAL COMPUTER MECHANIC	68	0	0	0	
2610	ELECTRONIC INTEGRATED SYSTEMS MECHANIC	489	0	0	0	
2801	MISCELLANEOUS ELECTRICAL INSTALL &	83	0	0	0	
2805	ELECTRICIAN	3998	0	0	0	
2810	ELECTRICIAN (HIGH VOLTAGE)	701	0	0	0	
2854	ELECTRICAL EQUIPMENT REPAIRING	322	0	0	0	
2892	AIRCRAFT ELECTRICIAN	692	0	0	0	
3101	MISC FABRIC AND LEATHER WORK	1	0	0	0	
3103	SHOE REPAIRING	3	0	0	0	
3105	FABRIC WORKING	340	0	0	0	
3106	UPHOLSTERERING	41	0	0	0	
3111	SEWING MACHINE OPERATING	16	0	0	0	
3301	MISC INSTRUMENT WORK	2	0	0	0	
3306	OPTICAL INSTRUMENT REPAIRING	75	0	0	0	
3314	INSTRUMENT MAKING	12	0	0	0	
3359	INSTRUMENT MECHANIC	603	0	0	0	
3401	MISCELLANEOUS MACHINE TOOL WORK	53	0	0	0	
3414	MACHINING	2734	0	0	0	
3416	TOOLMAKING	296	0	0	0	
3417	TOOL GRINDING	38	0	0	0	
3422	POWER SAW OPERATING	5	0	0	0	
3428	DIE SINKING	2	0	0	0	
3431	MACHINE TOOL OPERATING	148	0	0	0	
3501	MISC GENERAL SERVICES & SUPPORT WORK	24	0	0	0	
3502	LABORING	710	0	0	0	
3506	SUMMER AID/STUDENT AID	13	0	0	0	
3511	LABORATORY WORKING	7	0	0	0	
3515	LABORATORY SUPPORT WORKING	1	0	0	0	
3543	STEVEDORING	140	0	0	0	
3546	RAILROAD REPAIRING	20	0	0	0	

s	Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumula					P e cor
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated		
120	45	0	0	0	0	0	45	1075	0	0	0	0	0
111	0	0	0	0	0	0	0	111	0	0	0	0	0
48	1	0	0	0	0	0	1	47	0	0	0	0	0
52	0	0	0	0	0	0	0	52	0	0	0	0	0
11	0	0	0	0	0	0	0	11	0	0	0	0	0
31	0	0	0	0	0	0	0	31	0	0	0	0	0
24	1	0	0	0	0	0	1	123	0	0	0	0	0
57	0	0	0	0	0	0	0	1057	0	0	0	0	0
76	2	0	0	0	0	0	2	174	0	0	0	0	0
64	0	0	0	0	0	0	0	164	0	0	0	0	0
88	3	0	0	0	0	0	3	85	0	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0	0
32	0	0	0	0	0	0	0	132	0	0	0	0	0
69	0	0	0	0	0	0	0	69	0	0	0	0	0
21	0	0	0	0	0	0	0	21	0	0	0	0	0
66	2	0	0	0	0	0	2	264	0	0	0	0	0
23	0	0	0	0	0	0	0	123	0	0	0	0	0
82	0	0	0	0	0	0	0	182	0	0	0	0	0
4	0	0	0	0	0	0	0	4	0	0	0	0	0
34	0	0	0	0	0	0	0	34	0	0	0	0	0
9	4	0	0	0	0	0	4	5	0	0	0	0	0
4	0	0	0	0	0	0	0	4	0	0	0	0	0
2	0	0	0	0	0	0	0	2	0	0	0	0	0
15	0	0	0	0	0	0	0	115	0	0	0	0	0
40	0	0	0	0	0	0	0	40	0	0	0	0	0
7	0	0	0	0	0	0	0	7	0	0	0	0	0
4	0	0	0	0	0	0	0	4	0	0	0	0	0
47	0	0	0	0	0	0	0	47	0	0	0	0	0
28	0	0	0	0	0	0	0	528	0	0	0	0	0
96	0	0	0	0	0	0	0	2396	0	0	0	0	0
51	0	0	0	0	0	0	0	251	0	0	0	0	0
68	0	0	0	0	0	0	0	68	0	0	0	0	0
89	0	0	0	0	0	0	0	489	0	0	0	0	0
83	0	0	0	0	0	0	0	83	0	0	0	0	0
98	0	0	0	0	0	0	0	3998	0	0	0	0	0
01	0	0	0	0	0	0	0	701	0	0	0	0	0
22	0	0	0	0	0	0	0	322	0	0	0	0	0
92	0	0	0	0	0	0	0	692	0	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0	0
40	0	0	0	0	0	0	0	340	0	0	0	0	0
41	0	0	0	0	0	0	0	41	0	0	0	0	0
16	0	0	0	0	0	0	0	16	0	0	0	0	0
2	0	0	0	0	0	0	0	2	0	0	0	0	0
75	0	0	0	0	0	0	0	75	0	0	0	0	0
12	0	0	0	0	0	0	0	12	0	0	0	0	0
03	0	0	0	0	0	0	0	603	0	0	0	0	0
53	0	0	0	0	0	0	0	53	0	0	0	0	0
34	0	0	0	0	0	0	0	2734	0	0	0	0	0
96	0	0	0	0	0	0	0	296	0	0	0	0	0
38	0	0	0	0	0	0	0	38	0	0	0	0	0
5	0	0	0	0	0	0	0	5	0	0	0	0	0
2	0	0	0	0	0	0	0	2	0	0	0	0	0
48	0	0	0	0	0	0	0	148	0	0	0	0	0
24	0	0	0	0	0	0	0	24	0	0	0	0	0
10	0	0	0	0	0	0	0	710	0	0	0	0	0
13	0	0	0	0	0	0	0	13	0	0	0	0	0
7	0	0	0	0	0	0	0	7	0	0	0	0	0
1	0	0	0	0	0	0	0	1	0	0	0	0	0
40	0	0	0	0	0	0	0	140	0	0	0	0	0
20	0	0	0	0	0	0	0	20	0	0	0	0	0

Second stage of algorithm—cumulative results							
	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
5	1075	0	0	0	0	45	1075
0	111	0	0	0	0	0	111
1	47	0	0	0	0	1	47
0	52	0	0	0	0	0	52
0	11	0	0	0	0	0	11
0	31	0	0	0	0	0	31
1	123	0	0	0	0	1	123
0	1057	0	0	0	0	0	1057
2	174	0	0	0	0	2	174
0	164	0	0	0	0	0	164
3	85	0	0	0	0	3	85
0	1	0	0	0	0	0	1
0	132	0	0	0	0	0	132
0	69	0	0	0	0	0	69
0	21	0	0	0	0	0	21
2	264	0	0	0	0	2	264
0	123	0	0	0	0	0	123
0	182	0	0	0	0	0	182
0	4	0	0	0	0	0	4
0	34	0	0	0	0	0	34
0	5	0	0	0	0	4	5
0	4	0	0	0	0	0	4
0	2	0	0	0	0	0	2
0	115	0	0	0	0	0	115
0	40	0	0	0	0	0	40
0	7	0	0	0	0	0	7
0	4	0	0	0	0	0	4
0	47	0	0	0	0	0	47
0	528	0	0	0	0	0	528
0	2396	0	0	0	0	0	2396
0	251	0	0	0	0	0	251
0	68	0	0	0	0	0	68
0	489	0	0	0	0	0	489
0	83	0	0	0	0	0	83
0	3998	0	0	0	0	0	3998
0	701	0	0	0	0	0	701
0	322	0	0	0	0	0	322
0	692	0	0	0	0	0	692
0	1	0	0	0	0	0	1
0	3	0	0	0	0	0	3
0	340	0	0	0	0	0	340
0	41	0	0	0	0	0	41
0	16	0	0	0	0	0	16
0	2	0	0	0	0	0	2
0	75	0	0	0	0	0	75
0	12	0	0	0	0	0	12
0	603	0	0	0	0	0	603
0	53	0	0	0	0	0	53
0	2734	0	0	0	0	0	2734
0	296	0	0	0	0	0	296
0	38	0	0	0	0	0	38
0	5	0	0	0	0	0	5
0	2	0	0	0	0	0	2
0	148	0	0	0	0	0	148
0	24	0	0	0	0	0	24
0	710	0	0	0	0	0	710
0	13	0	0	0	0	0	13
0	7	0	0	0	0	0	7
0	1	0	0	0	0	0	1
0	140	0	0	0	0	0	140
0	20	0	0	0	0	0	20

Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First sta		
Occupational series				Acquisition position and designated	Possible error of omission	Uncertain designate
3566	CUSTODIAL WORKING	660	0	0	0	
3601	MISC STRUCTURAL AND FINISHING WORK	14	0	0	0	
3602	CEMENT FINISHING	34	0	0	0	
3603	MASONRY	191	0	0	0	
3604	TILE SETTING	78	0	0	0	
3605	PLASTERING	30	0	0	0	
3606	ROOFING	99	0	0	0	
3609	FLOOR COVERING INSTALLING	61	0	0	0	
3610	INSULATING	1148	0	0	0	
3611	GLAZING	21	0	0	0	
3653	ASPHALT WORKING	24	0	0	0	
3701	MISCELLANEOUS METAL PROCESSING	31	0	0	0	
3702	FLAME/ARC CUTTING	10	0	0	0	
3703	WELDING	2685	0	0	0	
3705	NONDESTRUCTIVE TESTING	136	0	0	0	
3707	METALIZING	30	0	0	0	
3708	METAL PROCESS WORKING	8	0	0	0	
3711	ELECTROPLATING	243	0	0	0	
3712	HEAT TREATING	41	0	0	0	
3716	LEADBURNING	1	0	0	0	
3725	BATTERY REPAIRING	15	0	0	0	
3727	BUFFING & POLISHING	17	0	0	0	
3735	METAL PHOTOTRANSFERRING	7	0	0	0	
3736	CIRCUIT BOARD MAKING	16	0	0	0	
3741	FURNACE OPERATING	9	0	0	0	
3769	SHOT PEENING MACHINE OPERATING	22	0	0	0	
3801	MISCELLANEOUS METAL WORK	594	0	0	0	
3802	FORGING MACHINE OPERATING	57	0	0	0	
3806	SHEET METAL MECHANIC	3366	0	0	0	
3807	STRUCTURAL/ORNAMENTAL IRON WORKING	47	0	0	0	
3808	BOILERMAKING	688	0	0	0	
3809	MOBILE EQUIPMENT METAL MECHANIC	153	0	0	0	
3815	PNEUMATIC TOOL OPERATING	3	0	0	0	
3816	ENGRAVING	5	0	0	0	
3820	SHIPFITTING	1945	0	0	0	
3869	METAL FORMING MACHINE OPERATING	3	0	0	0	
3872	METAL TUBE MAKING,INSTALLING.& REPAIR	3	0	0	0	
3901	MISC MOTION PICTURE,RADIO,TV&SOUND EQUIP	4	0	0	0	
3910	MOTION PICTURE PROJECTION	3	0	0	0	
4101	MISCELLANEOUS PAINTING AND PAPERHANGING	39	0	0	0	
4102	PAINTING	2095	0	0	0	
4104	SIGN PAINTING	39	0	0	0	
4201	MISC PLUMBING & PIPEFITTING	33	0	0	0	
4204	PIPEFITTING	4119	0	0	0	
4206	PLUMBING	399	0	0	0	
4255	FUEL DISTR SYS MECH	14	0	0	0	
4301	MISC PLIABLE MATERIALS WORK	29	0	0	0	
4351	PLASTIC MOLDING EQUIPMENT OPERATING	23	0	0	0	
4352	PLASTIC FABRICATING	222	0	0	0	
4360	RUBBER PRODUCTS MOLDING	31	0	0	0	
4361	RUBBER EQUIPMENT REPAIRING	9	0	0	0	
4371	PLASTER PATTERN CASTING	1	0	0	0	
4373	MOLDING	47	0	0	0	
4401	MISCELLANEOUS PRINTING	75	0	0	0	
4402	BINDERY WORKING	317	0	0	0	
4405	FILM ASSEMBLY-STRIPPING	22	0	0	0	
4406	LETTERPRESS OPERATING	2	0	0	0	
4414	OFFSET PHOTOGRAPHY	62	0	0	0	
4416	PLATEMAKING	8	0	0	0	
4417	OFFSET PRESS OPERATING	326	0	0	0	
4419	SILK SCREEN MAKING & PRINTING	1	0	0	0	

Series

Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	660	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	0
0	0	0	0	0	0	191	0	0	0	0	0
0	0	0	0	0	0	78	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	0	99	0	0	0	0	0
0	0	0	0	0	0	61	0	0	0	0	0
0	0	0	0	0	0	1148	0	0	0	0	0
0	0	0	0	0	0	21	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	0	2685	0	0	0	0	0
0	0	0	0	0	0	136	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	243	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	16	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0
0	0	0	0	0	0	594	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	0
0	0	0	0	0	0	3366	0	0	0	0	0
0	0	0	0	0	0	47	0	0	0	0	0
0	0	0	0	0	0	688	0	0	0	0	0
0	0	0	0	0	0	153	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	1945	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	39	0	0	0	0	0
0	0	0	0	0	0	2095	0	0	0	0	0
0	0	0	0	0	0	39	0	0	0	0	0
0	0	0	0	0	0	33	0	0	0	0	0
0	0	0	0	0	0	4119	0	0	0	0	0
0	0	0	0	0	0	399	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0
0	0	0	0	0	0	222	0	0	0	0	0
0	0	0	0	0	0	31	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	47	0	0	0	0	0
0	0	0	0	0	0	75	0	0	0	0	0
0	0	0	0	0	0	317	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	62	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	326	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
660	0	0	0	0	0	660
14	0	0	0	0	0	14
34	0	0	0	0	0	34
191	0	0	0	0	0	191
78	0	0	0	0	0	78
30	0	0	0	0	0	30
99	0	0	0	0	0	99
61	0	0	0	0	0	61
1148	0	0	0	0	0	1148
21	0	0	0	0	0	21
24	0	0	0	0	0	24
31	0	0	0	0	0	31
10	0	0	0	0	0	10
2685	0	0	0	0	0	2685
136	0	0	0	0	0	136
30	0	0	0	0	0	30
8	0	0	0	0	0	8
243	0	0	0	0	0	243
41	0	0	0	0	0	41
1	0	0	0	0	0	1
15	0	0	0	0	0	15
17	0	0	0	0	0	17
7	0	0	0	0	0	7
16	0	0	0	0	0	16
9	0	0	0	0	0	9
22	0	0	0	0	0	22
594	0	0	0	0	0	594
57	0	0	0	0	0	57
3366	0	0	0	0	0	3366
47	0	0	0	0	0	47
688	0	0	0	0	0	688
153	0	0	0	0	0	153
3	0	0	0	0	0	3
5	0	0	0	0	0	5
1945	0	0	0	0	0	1945
3	0	0	0	0	0	3
3	0	0	0	0	0	3
4	0	0	0	0	0	4
3	0	0	0	0	0	3
39	0	0	0	0	0	39
2095	0	0	0	0	0	2095
39	0	0	0	0	0	39
33	0	0	0	0	0	33
4119	0	0	0	0	0	4119
399	0	0	0	0	0	399
14	0	0	0	0	0	14
29	0	0	0	0	0	29
23	0	0	0	0	0	23
222	0	0	0	0	0	222
31	0	0	0	0	0	31
9	0	0	0	0	0	9
1	0	0	0	0	0	1
47	0	0	0	0	0	47
75	0	0	0	0	0	75
317	0	0	0	0	0	317
22	0	0	0	0	0	22
2	0	0	0	0	0	2
62	0	0	0	0	0	62
8	0	0	0	0	0	8
326	0	0	0	0	0	326
1	0	0	0	0	0	1

Table H-2. Summary of Navy Algorithm Results by Occupational Series

			First st				
Occupational series			Total positions	Navy-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncerta designa
4601	MISCELLANEOUS WOOD WORK	73	0	0	0	0	
4602	BLOCKING AND BRACING	159	0	0	0	0	
4604	WOOD WORKING	243	0	0	0	0	
4605	WOOD CRAFTING	284	0	0	0	0	
4607	CARPENTRY	944	0	0	0	0	
4616	PATTERNMAKING	39	0	0	0	0	
4618	WOODWORKING MACHINE OPERATING	3	0	0	0	0	
4639	TIMBER WORKING	72	0	0	0	0	
4701	MISC GENERAL MAINTENANCE & OPERATIONS	2036	0	0	0	0	
4714	MODEL MAKING	271	0	0	0	0	
4715	EXHIBITS MAKING/MODELING	6	0	0	0	0	
4716	RAILROAD CAR REPAIRING	9	0	0	0	0	
4717	BOAT BUILDING & REPAIRING	58	0	0	0	0	
4737	GENERAL EQUIPMENT MECHANIC	4	0	0	0	0	
4741	GENERAL EQUIPMENT OPERATING	5	0	0	0	0	
4742	UTILITY SYSTEMS REPAIRING-OPERATING	208	0	0	0	0	
4745	RESEARCH LABORATORY MECHANIC	20	0	0	0	0	
4749	MAINTENANCE MECHANIC	1297	0	0	0	0	
4801	MISCELLANEOUS GENERAL EQUIPMENT	42	0	0	0	0	
4804	LOCKSMITHING	111	0	0	0	0	
4805	MEDICAL EQUIPMENT REPAIRING	10	0	0	0	0	
4806	OFFICE APPLIANCE REPAIRING	6	0	0	0	0	
4808	CUSTODIAL EQUIPMENT SERVICING	1	0	0	0	0	
4812	SAW RECONDITIONING	11	0	0	0	0	
4819	BOWLING EQUIPMENT REPAIRING	8	0	0	0	0	
4839	FILM PROCESSING EQUIPMENT REPAIRING	1	0	0	0	0	
4840	TOOL & EQUIPMENT REPAIRING	186	0	0	0	0	
4844	BICYCLE REPAIRING	1	0	0	0	0	
4848	MECHANICAL PARTS REPAIRING	13	0	0	0	0	
4850	BEARING RECONDITIONER	36	0	0	0	0	
4855	DOMESTIC APPLIANCE REPAIRING	7	0	0	0	0	
5001	MISC PLANT AND ANIMAL WORK	3	0	0	0	0	
5003	GARDENING	81	0	0	0	0	
5026	PEST CONTROLLING	188	0	0	0	0	
5042	TREE WORKING	3	0	0	0	0	
5048	ANIMAL CARETAKING	8	0	0	0	0	
5201	MISCELLANEOUS OCCUPATIONS	23	0	0	0	0	
5205	GAS & RADIATION DETECTING	17	0	0	0	0	
5210	RIGGING	2117	0	0	0	0	
5220	SHIPWRIGHT	583	0	0	0	0	
5221	LOFTING	80	0	0	0	0	
5222	DIVING	2	0	0	0	0	
5235	TEST RANGE TRACKING	15	0	0	0	0	
5301	MISC INDUSTRIAL EQUIPMENT MAINT	493	0	0	0	0	
5306	AIR CONDITIONING EQUIPMENT MECHANIC	1107	0	0	0	0	
5309	HEATING & BOILER PLANT EQUIPMENT	273	0	0	0	0	
5310	KITCHEN/BAKERY EQUIPMENT REPAIRING	19	0	0	0	0	
5313	ELEVATOR MECHANIC	24	0	0	0	0	
5317	LAUNDRY AND DRY CLEANING EQUIP RPRNG	5	0	0	0	0	
5323	OILING AND GREASING	41	0	0	0	0	
5330	PRINTING EQUIPMENT REPAIRING	5	0	0	0	0	
5334	MARINE MACHINERY MECHANIC	2859	0	0	0	0	
5350	PRODUCTION MACHINERY MECHANIC	333	0	0	0	0	
5352	INDUSTRIAL EQUIPMENT MECHANIC	395	0	0	0	0	
5364	DOOR SYSTEMS MECHANIC	1	0	0	0	0	
5365	PHYSIOLOGICAL TRAINER MECHANIC	5	0	0	0	0	
5378	POWERED SUPPORT SYSTEMS MECHANIC	268	0	0	0	0	
5401	MISCELLANEOUS INDUSTRIAL EQUIPMENT	30	0	0	0	0	
5402	BOILER PLANT OPERATING	905	0	0	0	0	
5403	INCENERATOR OPERATING	2	0	0	0	0	
5406	UTILITY SYSTEMS OPERATING	168	0	0	0	0	

Series

Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	73	0	0	0	0	0
0	0	0	0	0	0	159	0	0	0	0	0
0	0	0	0	0	0	243	0	0	0	0	0
0	0	0	0	0	0	284	0	0	0	0	0
0	0	0	0	0	0	944	0	0	0	0	0
0	0	0	0	0	0	39	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	72	0	0	0	0	0
0	0	0	0	0	0	2036	0	0	0	0	0
0	0	0	0	0	0	271	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	58	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	208	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	1297	0	0	0	0	0
0	0	0	0	0	0	42	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0
0	0	0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	186	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	36	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	81	0	0	0	0	0
0	0	0	0	0	0	188	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0
0	0	0	0	0	0	17	0	0	0	0	0
0	0	0	0	0	0	2117	0	0	0	0	0
0	0	0	0	0	0	583	0	0	0	0	0
0	0	0	0	0	0	80	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	493	0	0	0	0	0
0	0	0	0	0	0	1107	0	0	0	0	0
0	0	0	0	0	0	273	0	0	0	0	0
0	0	0	0	0	0	19	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	41	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	2859	0	0	0	0	0
0	0	0	0	0	0	333	0	0	0	0	0
0	0	0	0	0	0	395	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	268	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	0	905	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	168	0	0	0	0	0

		Second stage of algorithm—cumulative results					
Possible error of omission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	73	0	0	0	0	0	73
0	159	0	0	0	0	0	159
0	243	0	0	0	0	0	243
0	284	0	0	0	0	0	284
0	944	0	0	0	0	0	944
0	39	0	0	0	0	0	39
0	3	0	0	0	0	0	3
0	72	0	0	0	0	0	72
0	2036	0	0	0	0	0	2036
0	271	0	0	0	0	0	271
0	6	0	0	0	0	0	6
0	9	0	0	0	0	0	9
0	58	0	0	0	0	0	58
0	4	0	0	0	0	0	4
0	5	0	0	0	0	0	5
0	208	0	0	0	0	0	208
0	20	0	0	0	0	0	20
0	1297	0	0	0	0	0	1297
0	42	0	0	0	0	0	42
0	111	0	0	0	0	0	111
0	10	0	0	0	0	0	10
0	6	0	0	0	0	0	6
0	1	0	0	0	0	0	1
0	11	0	0	0	0	0	11
0	8	0	0	0	0	0	8
0	1	0	0	0	0	0	1
0	186	0	0	0	0	0	186
0	1	0	0	0	0	0	1
0	13	0	0	0	0	0	13
0	36	0	0	0	0	0	36
0	7	0	0	0	0	0	7
0	3	0	0	0	0	0	3
0	81	0	0	0	0	0	81
0	188	0	0	0	0	0	188
0	3	0	0	0	0	0	3
0	8	0	0	0	0	0	8
0	23	0	0	0	0	0	23
0	17	0	0	0	0	0	17
0	2117	0	0	0	0	0	2117
0	583	0	0	0	0	0	583
0	80	0	0	0	0	0	80
0	2	0	0	0	0	0	2
0	15	0	0	0	0	0	15
0	493	0	0	0	0	0	493
0	1107	0	0	0	0	0	1107
0	273	0	0	0	0	0	273
0	19	0	0	0	0	0	19
0	24	0	0	0	0	0	24
0	5	0	0	0	0	0	5
0	41	0	0	0	0	0	41
0	5	0	0	0	0	0	5
0	2859	0	0	0	0	0	2859
0	333	0	0	0	0	0	333
0	395	0	0	0	0	0	395
0	1	0	0	0	0	0	1
0	5	0	0	0	0	0	5
0	268	0	0	0	0	0	268
0	30	0	0	0	0	0	30
0	905	0	0	0	0	0	905
0	2	0	0	0	0	0	2
0	168	0	0	0	0	0	168

Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First sta		
Occupational series				Acquisition position and designated	Possible error of omission	Uncertain designate
5407	ELECTRIC POWER CONTROLLING	169	0	0	0	0
5408	SEWAGE DISPOSAL PLANT OPERATING	244	0	0	0	0
5409	WATER TREATMENT PLANT OPERATING	167	0	0	0	0
5413	FUEL DISTRIBUTION SYSTEM OPERATING	355	0	0	0	0
5415	AIR CONDITIONING EQUIPMENT OPERATING	47	0	0	0	0
5419	STATIONARY-ENGINE OPERATING	54	0	0	0	0
5423	SANDBLASTING	359	0	0	0	0
5427	CHEMICAL PLANT OPERATOR	8	0	0	0	0
5430	DRAWBRIDGE OPERATING	6	0	0	0	0
5433	GAS GENERATING PLANT OPERATING	7	0	0	0	0
5438	ELEVATOR OPERATING	1	0	0	0	0
5439	TESTING EQUIPMENT OPERATING	2	0	0	0	0
5455	PAPER PULPING MACHINE OPERATING	6	0	0	0	0
5473	OIL RECLAMATION EQUIPMENT OPERATING	3	0	0	0	0
5478	PORTABLE EQUIPMENT OPERATING	24	0	0	0	0
5479	DREDGING EQUIPMENT OPERATING	2	0	0	0	0
5485	AIRCRAFT WEIGHT & BALANCE OPERATING	9	0	0	0	0
5486	SWIMMING POOL OPERATING	6	0	0	0	0
5701	TRANSPORTATION/MOBILE EQUIPMENT	139	0	0	0	0
5703	MOTOR VEHICLE OPERATING	1540	0	0	0	0
5704	FORK LIFT OPERATING	185	0	0	0	0
5705	TRACTOR OPERATING	128	0	0	0	0
5706	ROAD SWEEPER OPERATING	9	0	0	0	0
5716	ENGINEERING EQUIPMENT OPERATING	273	0	0	0	0
5725	CRANE OPERATING	654	0	0	0	0
5736	BRAKING-SWITCHING & CONDUCTING	50	0	0	0	0
5737	LOCOMOTIVE ENGINEERING	34	0	0	0	0
5738	RAILROAD MAINTENANCE VEHICLE OPERATING	6	0	0	0	0
5767	AIRFIELD CLEARING EQUIPMENT OPERATING	8	0	0	0	0
5782	SHIP OPERATING	14	0	0	0	0
5786	SMALL CRAFT OPERATING	49	0	0	0	0
5788	DECKHAND	34	0	0	0	0
5801	TRANSPORTATION/MOBILE EQUIPMENT	97	0	0	0	0
5803	HEAVY MOBILE EQUIPMENT MECHANIC	1528	0	0	0	0
5806	MOBILE EQUIPMENT SERVICING	89	0	0	0	0
5823	AUTOMOTIVE MECHANIC	648	0	0	0	0
5876	ELECTROMOTIVE EQUIP MECH	73	0	0	0	0
6501	MISC AMMO,EXPLOSIVES,& TOXIC MTS WK	391	0	0	0	0
6502	EXPLOSIVES OPERATING	324	0	0	0	0
6505	MUNITIONS DESTROYING	1	0	0	0	0
6511	MISSILE/TOXIC MATERIALS HANDLING	14	0	0	0	0
6517	EXPLOSIVES TEST OPERATING	42	0	0	0	0
6601	MISC ARMAMENT WORK	3	0	0	0	0
6605	ARTILLERY REPAIRING	46	0	0	0	0
6610	SMALL ARMS REPAIRING	36	0	0	0	0
6641	ORDNANCE EQUIPMENT MECHANIC	876	0	0	0	0
6652	AIRCRAFT ORDNANCE SYSTEMS MECHANIC	99	0	0	0	0
6656	SPECIAL WEAPONS SYS MECH	47	0	0	0	0
6901	MISC WAREHOUSING & STOCK HANDLING	143	0	0	0	0
6903	COAL HANDLING	5	0	0	0	0
6904	TOOL & PARTS ATTENDING	651	0	0	0	0
6907	MATERIALS HANDLING	3064	0	0	0	0
6910	MATERIALS EXPEDITING	296	0	0	0	0
6912	MATERIALS EXAMINING AND IDENTIFYING	123	0	0	0	0
6914	STORE WORKING	28	0	0	0	0
6968	AIRCRAFT FREIGHT LOADING	110	0	0	0	0
7001	MISCELLANEOUS PACKING & PROCESSING	5	0	0	0	0
7002	PACKING	250	0	0	0	0
7004	PRESERVATION PACKAGING	24	0	0	0	0
7006	PRESERVATION SERVICING	44	0	0	0	0
7009	EQUIPMENT CLEANING	436	0	0	0	0

Series

Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	169	0	0	0	0	0
0	0	0	0	0	0	244	0	0	0	0	0
0	0	0	0	0	0	167	0	0	0	0	0
0	0	0	0	0	0	355	0	0	0	0	0
0	0	0	0	0	0	47	0	0	0	0	0
0	0	0	0	0	0	54	0	0	0	0	0
0	0	0	0	0	0	359	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	139	0	0	0	0	0
0	0	0	0	0	0	1540	0	0	0	0	0
0	0	0	0	0	0	185	0	0	0	0	0
0	0	0	0	0	0	128	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	273	0	0	0	0	0
0	0	0	0	0	0	654	0	0	0	0	0
0	0	0	0	0	0	50	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	0
0	0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0
0	0	0	0	0	0	49	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	0
0	0	0	0	0	0	97	0	0	0	0	0
0	0	0	0	0	0	1528	0	0	0	0	0
0	0	0	0	0	0	89	0	0	0	0	0
0	0	0	0	0	0	648	0	0	0	0	0
0	0	0	0	0	0	73	0	0	0	0	0
0	0	0	0	0	0	391	0	0	0	0	0
0	0	0	0	0	0	324	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	14	0	0	0	0	0
0	0	0	0	0	0	42	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	46	0	0	0	0	0
0	0	0	0	0	0	36	0	0	0	0	0
0	0	0	0	0	0	876	0	0	0	0	0
0	0	0	0	0	0	99	0	0	0	0	0
0	0	0	0	0	0	47	0	0	0	0	0
0	0	0	0	0	0	143	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	651	0	0	0	0	0
0	0	0	0	0	0	3064	0	0	0	0	0
0	0	0	0	0	0	296	0	0	0	0	0
0	0	0	0	0	0	123	0	0	0	0	0
0	0	0	0	0	0	28	0	0	0	0	0
0	0	0	0	0	0	110	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	250	0	0	0	0	0
0	0	0	0	0	0	24	0	0	0	0	0
0	0	0	0	0	0	44	0	0	0	0	0
0	0	0	0	0	0	436	0	0	0	0	0

Second stage of algorithm—cumulative results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
169	0	0	0	0	0	169
244	0	0	0	0	0	244
167	0	0	0	0	0	167
355	0	0	0	0	0	355
47	0	0	0	0	0	47
54	0	0	0	0	0	54
359	0	0	0	0	0	359
8	0	0	0	0	0	8
6	0	0	0	0	0	6
7	0	0	0	0	0	7
1	0	0	0	0	0	1
2	0	0	0	0	0	2
6	0	0	0	0	0	6
3	0	0	0	0	0	3
24	0	0	0	0	0	24
2	0	0	0	0	0	2
9	0	0	0	0	0	9
6	0	0	0	0	0	6
139	0	0	0	0	0	139
1540	0	0	0	0	0	1540
185	0	0	0	0	0	185
128	0	0	0	0	0	128
9	0	0	0	0	0	9
273	0	0	0	0	0	273
654	0	0	0	0	0	654
50	0	0	0	0	0	50
34	0	0	0	0	0	34
6	0	0	0	0	0	6
8	0	0	0	0	0	8
14	0	0	0	0	0	14
49	0	0	0	0	0	49
34	0	0	0	0	0	34
97	0	0	0	0	0	97
1528	0	0	0	0	0	1528
89	0	0	0	0	0	89
648	0	0	0	0	0	648
73	0	0	0	0	0	73
391	0	0	0	0	0	391
324	0	0	0	0	0	324
1	0	0	0	0	0	1
14	0	0	0	0	0	14
42	0	0	0	0	0	42
3	0	0	0	0	0	3
46	0	0	0	0	0	46
36	0	0	0	0	0	36
876	0	0	0	0	0	876
99	0	0	0	0	0	99
47	0	0	0	0	0	47
143	0	0	0	0	0	143
5	0	0	0	0	0	5
651	0	0	0	0	0	651
3064	0	0	0	0	0	3064
296	0	0	0	0	0	296
123	0	0	0	0	0	123
28	0	0	0	0	0	28
110	0	0	0	0	0	110
5	0	0	0	0	0	5
250	0	0	0	0	0	250
24	0	0	0	0	0	24
44	0	0	0	0	0	44
436	0	0	0	0	0	436

Table H-2. Summary of Navy Algorithm Results by Occupational Series

			First st		
Occupational series			Acquisition position and designated	Possible error of omission	Uncerta designat
Total positions	Navy- designated acquisition positions				
7010	PARACHUTE PACKING	1	0	0	0
7301	MISC LAUNDRY, DRY CLEANING, & PRESSING	2	0	0	0
7304	LAUNDRY WORKING	83	0	0	0
7305	LAUNDRY MACHINE OPERATING	14	0	0	0
7306	PRESSING	16	0	0	0
7307	DRY CLEANING	3	0	0	0
7401	MISC FOOD PREPARATION & SERVING	3	0	0	0
7402	BAKING	16	0	0	0
7404	COOKING	243	0	0	0
7408	FOOD SERVICE WORKING	409	0	0	0
7601	MISCELLANEOUS PERSONAL SERVICES	1	0	0	0
7603	BARBERING	21	0	0	0
7641	BEAUTICIAN	2	0	0	0
8201	MISC FLUID SYSTEMS MAINTENANCE	52	0	0	0
8255	PNEUDRAULIC SYSTEMS MECHANIC	453	0	0	0
8268	AIRCRAFT PNEUDRALIC SYSTEMS MECHANIC	31	0	0	0
8601	MISCELLANEOUS ENGINE OVERHAUL	4	0	0	0
8602	ACFT ENGINE MECHANIC	471	0	0	0
8610	SMALL ENGINE MECHANIC	21	0	0	0
8801	MISCELLANEOUS AIRCRAFT OVERHAUL	168	0	0	0
8810	AIRCRAFT PROPELLER MECHANIC	34	0	0	0
8840	ACFT MECH PARTS RPR	79	0	0	0
8852	AIRCRAFT MECHANIC	1191	0	0	0
8862	AIRCRAFT SERVICING	128	0	0	0
8882	AIRFRAME TEST OPERATING	1	0	0	0
9003	FILM ASSEMBLING AND REPAIRING	8	0	0	0
9902	MASTER	60	0	0	0
9903	CHIEF OFFICER CABLE	2	0	0	0
9904	SHIP PILOT	38	0	0	0
9905	FIRST OFFICER	67	0	0	0
9906	SECOND OFFICER	72	0	0	0
9907	THIRD OFFICER	91	0	0	0
9909	RADIO OFFICER	2	0	0	0
9911	RADIO ELECTRONICS OFFICER	7	0	0	0
9912	FIRST ASSISTANT RADIO ELECTRONICS	2	0	0	0
9913	RELIEF DECK OFFICER	1	0	0	0
9914	DAMAGE CONTROL OFFICER	11	0	0	0
9915	ASSISTANT DAMAGE CONTROL OFFICER	14	0	0	0
9917	DECK MIDSHIPMAN	22	0	0	0
9918	DAMAGE CONTROL LEADER	7	0	0	0
9919	DAMAGE CONTROL ASSISTANT LEADER	3	0	0	0
9920	BOATSWAIN	59	0	0	0
9921	CARPENTER	11	0	0	0
9923	BOATSWAINS MATE	127	0	0	0
9924	ABLE SEAMAN	292	0	0	0
9925	ABLE SEAMAN-MAINTENANCE	380	0	0	0
9928	ORDINARY SEAMAN	128	0	0	0
9929	DAMAGE CONTROLMAN	6	0	0	0
9931	CHIEF ENGINEER	62	0	0	0
9932	FIRST ASSISTANT ENGINEER	50	0	0	0
9933	SECOND ASSISTANT ENGINEER	77	0	0	0
9934	THIRD ASSISTANT ENGINEER	129	0	0	0
9935	RELIEF ENGINEER	2	0	0	0
9936	ENGINE MIDSHIPMAN	18	0	0	0
9939	CHIEF ELECTIRCIAN	23	0	0	0
9940	ELECTRICIAN	19	0	0	0
9942	SECOND ELECTRICIAN	65	0	0	0
9944	ELECTRONICS TECHNICIAN	32	0	0	0
9945	REFRIGERATION ENGINEER	46	0	0	0
9946	SECOND REFRIGERATION ENGINEER	3	0	0	0
9947	THIRD REFRIGERATION ENGINEER	7	0	0	0

Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm—cumulative				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
1	0	0	0	0	0	0	1	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	83	0	0	0	0
4	0	0	0	0	0	0	14	0	0	0	0
5	0	0	0	0	0	0	16	0	0	0	0
3	0	0	0	0	0	0	3	0	0	0	0
3	0	0	0	0	0	0	3	0	0	0	0
3	0	0	0	0	0	0	16	0	0	0	0
3	0	0	0	0	0	0	243	0	0	0	0
3	0	0	0	0	0	0	409	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0
1	0	0	0	0	0	0	21	0	0	0	0
2	0	0	0	0	0	0	2	0	0	0	0
2	0	0	0	0	0	0	52	0	0	0	0
3	0	0	0	0	0	0	453	0	0	0	0
3	0	0	0	0	0	0	31	0	0	0	0
3	0	0	0	0	0	0	4	0	0	0	0
3	0	0	0	0	0	0	471	0	0	0	0
3	0	0	0	0	0	0	21	0	0	0	0
3	0	0	0	0	0	0	168	0	0	0	0
3	0	0	0	0	0	0	34	0	0	0	0
3	0	0	0	0	0	0	79	0	0	0	0
3	0	0	0	0	0	0	1191	0	0	0	0
3	0	0	0	0	0	0	128	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0
3	0	0	0	0	0	0	8	0	0	0	0
3	0	0	0	0	0	0	60	0	0	0	0
3	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	38	0	0	0	0
3	0	0	0	0	0	0	67	0	0	0	0
3	0	0	0	0	0	0	72	0	0	0	0
3	0	0	0	0	0	0	91	0	0	0	0
3	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	7	0	0	0	0
3	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0
3	0	0	0	0	0	0	11	0	0	0	0
3	0	0	0	0	0	0	14	0	0	0	0
3	0	0	0	0	0	0	22	0	0	0	0
3	0	0	0	0	0	0	7	0	0	0	0
3	0	0	0	0	0	0	3	0	0	0	0
3	0	0	0	0	0	0	59	0	0	0	0
3	0	0	0	0	0	0	11	0	0	0	0
3	0	0	0	0	0	0	127	0	0	0	0
3	0	0	0	0	0	0	292	0	0	0	0
3	0	0	0	0	0	0	380	0	0	0	0
3	0	0	0	0	0	0	128	0	0	0	0
3	0	0	0	0	0	0	6	0	0	0	0
3	0	0	0	0	0	0	62	0	0	0	0
3	0	0	0	0	0	0	50	0	0	0	0
3	0	0	0	0	0	0	77	0	0	0	0
3	0	0	0	0	0	0	129	0	0	0	0
3	0	0	0	0	0	0	2	0	0	0	0
3	0	0	0	0	0	0	18	0	0	0	0
3	0	0	0	0	0	0	23	0	0	0	0
3	0	0	0	0	0	0	19	0	0	0	0
3	0	0	0	0	0	0	65	0	0	0	0
3	0	0	0	0	0	0	32	0	0	0	0
3	0	0	0	0	0	0	46	0	0	0	0
3	0	0	0	0	0	0	3	0	0	0	0
3	0	0	0	0	0	0	7	0	0	0	0

		Second stage of algorithm—cumulative results					
n	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	1	0	0	0	0	0	1
0	2	0	0	0	0	0	2
0	83	0	0	0	0	0	83
0	14	0	0	0	0	0	14
0	16	0	0	0	0	0	16
0	3	0	0	0	0	0	3
0	3	0	0	0	0	0	3
0	16	0	0	0	0	0	16
0	243	0	0	0	0	0	243
0	409	0	0	0	0	0	409
0	1	0	0	0	0	0	1
0	21	0	0	0	0	0	21
0	2	0	0	0	0	0	2
0	52	0	0	0	0	0	52
0	453	0	0	0	0	0	453
0	31	0	0	0	0	0	31
0	4	0	0	0	0	0	4
0	471	0	0	0	0	0	471
0	21	0	0	0	0	0	21
0	168	0	0	0	0	0	168
0	34	0	0	0	0	0	34
0	79	0	0	0	0	0	79
0	1191	0	0	0	0	0	1191
0	128	0	0	0	0	0	128
0	1	0	0	0	0	0	1
0	8	0	0	0	0	0	8
0	60	0	0	0	0	0	60
0	2	0	0	0	0	0	2
0	38	0	0	0	0	0	38
0	67	0	0	0	0	0	67
0	72	0	0	0	0	0	72
0	91	0	0	0	0	0	91
0	2	0	0	0	0	0	2
0	7	0	0	0	0	0	7
0	2	0	0	0	0	0	2
0	1	0	0	0	0	0	1
0	11	0	0	0	0	0	11
0	14	0	0	0	0	0	14
0	22	0	0	0	0	0	22
0	7	0	0	0	0	0	7
0	3	0	0	0	0	0	3
0	59	0	0	0	0	0	59
0	11	0	0	0	0	0	11
0	127	0	0	0	0	0	127
0	292	0	0	0	0	0	292
0	380	0	0	0	0	0	380
0	128	0	0	0	0	0	128
0	6	0	0	0	0	0	6
0	62	0	0	0	0	0	62
0	50	0	0	0	0	0	50
0	77	0	0	0	0	0	77
0	129	0	0	0	0	0	129
0	2	0	0	0	0	0	2
0	18	0	0	0	0	0	18
0	23	0	0	0	0	0	23
0	19	0	0	0	0	0	19
0	65	0	0	0	0	0	65
0	32	0	0	0	0	0	32
0	46	0	0	0	0	0	46
0	3	0	0	0	0	0	3
0	7	0	0	0	0	0	7

Table H-2. Summary of Navy Algorithm Results by Occupational Series

		Total positions	Navy- designated acquisition positions	First		
Occupational series				Acquisition position and designated	Possible error of omission	Unce designr
9950	PLUMBER-MACHINIST	1	0	0	0	
9952	DECK ENGINEER-MACHINIST	81	0	0	0	
9953	DECK ENGINEER-MECHANIC	6	0	0	0	
9954	UNLICENSED JUNIOR ENGINEER	60	0	0	0	
9955	PUMPMAN	15	0	0	0	
9957	ENGINE UTILITYMAN	135	0	0	0	
9959	MACHINIST	1	0	0	0	
9960	OILER	4	0	0	0	
9961	OILER DIESEL	13	0	0	0	
9965	WIPER	64	0	0	0	
9968	CHIEF STEWARD	32	0	0	0	
9969	THIRD STEWARD	8	0	0	0	
9971	CHIEF COOK	32	0	0	0	
9972	STEWARD COOK	12	0	0	0	
9973	SECOND COOK	9	0	0	0	
9974	THIRD COOK	11	0	0	0	
9975	ASSISTANT COOK	47	0	0	0	
9976	COOK-BAKER	35	0	0	0	
9977	SECOND COOK-BAKER	24	0	0	0	
9978	NIGHT COOK-BAKER	17	0	0	0	
9979	STEWARD BAKER	8	0	0	0	
9982	LAUNDRYMAN	13	0	0	0	
9985	STEWARD UTILITYMAN	426	0	0	0	
9988	PURSER	32	0	0	0	
9989	JUNIOR PURSER	1	0	0	0	
9991	SUPPLY OFFICER	26	0	0	0	
9992	ASSISTANT SUPPLY OFFICER	9	0	0	0	
9993	JUNIOR SUPPLY OFFICER	17	0	0	0	
9994	ASSISTANT STOREKEEPER	80	0	0	0	
9996	NURSE	40	0	0	0	
9998	YEOMAN-STOREKEEPER	137	0	0	0	
Total for Navy		247059	25353	6226	1432	

Operational Series

Total positions	Navy-designated acquisition positions	First stage of algorithm						Second stage of algorithm			
		Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
1	0	0	0	0	0	0	1	0	0	0	0
81	0	0	0	0	0	0	81	0	0	0	0
6	0	0	0	0	0	0	6	0	0	0	0
60	0	0	0	0	0	0	60	0	0	0	0
15	0	0	0	0	0	0	15	0	0	0	0
135	0	0	0	0	0	0	135	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	4	0	0	0	0
13	0	0	0	0	0	0	13	0	0	0	0
64	0	0	0	0	0	0	64	0	0	0	0
32	0	0	0	0	0	0	32	0	0	0	0
8	0	0	0	0	0	0	8	0	0	0	0
32	0	0	0	0	0	0	32	0	0	0	0
12	0	0	0	0	0	0	12	0	0	0	0
9	0	0	0	0	0	0	9	0	0	0	0
11	0	0	0	0	0	0	11	0	0	0	0
47	0	0	0	0	0	0	47	0	0	0	0
35	0	0	0	0	0	0	35	0	0	0	0
24	0	0	0	0	0	0	24	0	0	0	0
17	0	0	0	0	0	0	17	0	0	0	0
8	0	0	0	0	0	0	8	0	0	0	0
13	0	0	0	0	0	0	13	0	0	0	0
426	0	0	0	0	0	0	426	0	0	0	0
32	0	0	0	0	0	0	32	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0
26	0	0	0	0	0	0	26	0	0	0	0
9	0	0	0	0	0	0	9	0	0	0	0
17	0	0	0	0	0	0	17	0	0	0	0
80	0	0	0	0	0	0	80	0	0	0	0
40	0	0	0	0	0	0	40	0	0	0	0
137	0	0	0	0	0	0	137	0	0	0	0
247059	25353	6226	1432	17774	57694	1380	162580	21368	2274	2095	

		Second stage of algorithm—cumulative results					
n	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	1	0	0	0	0	0	1
0	81	0	0	0	0	0	81
0	6	0	0	0	0	0	6
0	60	0	0	0	0	0	60
0	15	0	0	0	0	0	15
0	135	0	0	0	0	0	135
0	1	0	0	0	0	0	1
0	4	0	0	0	0	0	4
0	13	0	0	0	0	0	13
0	64	0	0	0	0	0	64
0	32	0	0	0	0	0	32
0	8	0	0	0	0	0	8
0	32	0	0	0	0	0	32
0	12	0	0	0	0	0	12
0	9	0	0	0	0	0	9
0	11	0	0	0	0	0	11
0	47	0	0	0	0	0	47
0	35	0	0	0	0	0	35
0	24	0	0	0	0	0	24
0	17	0	0	0	0	0	17
0	8	0	0	0	0	0	8
0	13	0	0	0	0	0	13
0	426	0	0	0	0	0	426
0	32	0	0	0	0	0	32
0	1	0	0	0	0	0	1
0	26	0	0	0	0	0	26
0	9	0	0	0	0	0	9
0	17	0	0	0	0	0	17
0	80	0	0	0	0	0	80
0	40	0	0	0	0	0	40
0	137	0	0	0	0	0	137
0	162580	21368	2274	2095	2663	1890	216769

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Appendix I

SUMMARY DATA FROM THE FOURTH ESTATE ALGORITHM RESULTS

This appendix contains summary data from the results of the Fourth Estate algorithm. Table I-1 summarizes the results by major command. A Fourth Estate-wide summary of results by occupational series is in Table I-2.

The following are explanations of what each data column heading in the Tables I-1 and I-2 means:

- ◆ *DoD component*: the two-character DoD component code followed by the name of the component.
- ◆ *Occupational series*: the civilian occupational series of the positions.
- ◆ *Total positions*: the total number of positions in the listed component or the listed occupational series.¹
- ◆ *Fourth Estate-designated acquisition positions*: the number of positions that the input data indicated were designated as acquisition positions by the DoD components.
- ◆ *First stage of algorithm*: results of the screening process of the algorithm. Positions in the uncertain category of this stage are processed by the second stage (scoring, ranking, and cluster analysis) of the algorithm. The subheadings are as follows:
 - ◆ *Acquisition position and designated*—the screening process criteria for classifying the position as acquisition were met, and the Fourth Estate had designated the position as an acquisition position.
 - ◆ *Possible error of omission*—the screening process criteria for classifying the position as acquisition were met, but the Fourth Estate had not designated the position as an acquisition position.
 - ◆ *Uncertain designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, but the Fourth Estate had designated the position as an acquisition position.

-
- ◆ *Uncertain not designated*—the screening process could not definitively classify the position as either acquisition or nonacquisition, and the DoD component had not designated the position as an acquisition position.
 - ◆ *Possible error of commission*—the screening process criteria for classifying the position as nonacquisition were met, but the DoD component had designated the position as an acquisition position.
 - ◆ *Nonacquisition and not designated*—the screening process criteria for classifying the position as nonacquisition were met, and DoD component had not designated the position as an acquisition position.
 - ◆ *Second stage of algorithm—cumulative results*: The column subheadings are the same as described above. The numbers in these columns are the result of adding to the numbers from the first stage results, the results of the second stage of the algorithm as applied to the first stage uncertain positions. The numbers of positions reflected in the “uncertain designated” and “uncertain not designated” columns are the remaining numbers of positions that the algorithm could classify as neither acquisition or nonacquisition.

¹ All column headings apply to either the total for the DoD component or for the occupational series listed in the respective tables.

Table I-1. Summary of Fourth Estate Algorithm Results by DoD Component

DoD component	Total positions	Fourth Estate-designated acquisition positions	First stage of			
			Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain designated
DD01 IMMEDIATE OFFICE OF THE SEC OF DEFENSE	2235	140	33	0	106	
DD02 JOINT STAFF	210	1	0	0	1	
DD03 DEFENSE NUCLEAR AGENCY	352	42	41	0	1	
DD04 DEFENSE INFORMATION SYSTEMS AGENCY	6403	611	160	15	446	
DD06 DEFENSE SECURITY ASSISTANCE AGENCY	92	0	0	0	0	
DD07 DEFENSE LOGISTICS AGENCY	51183	16237	6544	116	9482	
DD08 US COURT OF MILITARY APPEALS	57	0	0	0	0	
DD09 AMERICAN FORCES INFORMATION SERVICE	373	43	42	0	1	
DD10 DEFENSE CONTRACT AUDIT AGENCY	5260	4312	0	2	4310	
DD11 DEFENSE MAPPING AGENCY	7372	155	90	0	60	
DD12 DEFENSE INVESTIGATIVE SERVICE	701	2	2	0	0	
DD13 ADVANCED RESEARCH PROJECTS AGENCY	169	16	15	0	1	
DD15 UNIF SVCS UNIV OF THE HEALTH SCIENCES	824	18	0	0	0	
DD17 OCHAMPUS	231	23	23	0	0	
DD18 DEFENSE MEDICAL SUPPORT ACTIVITY	88	5	1	0	3	
DD21 WASHINGTON HEADQUARTERS SERVICES	1739	48	46	0	2	
DD23 OFFICE OF ECONOMICS ADJUSTMENT	48	0	0	0	0	
DD25 DEFENSE LEGAL SERVICES	72	0	0	0	0	
DD26 OFFICE OF INSPECTOR GENERAL	1703	13	12	0	0	
DD27 BALLISTIC MISSILE DEFENSE ORGANIZATION	212	57	22	0	35	
DD29 DEFENSE TECHNOLOGY SECURITY	80	0	0	0	0	
DD32 ON SITE INSPECTION AGENCY	277	31	24	0	7	
DD34 DEFENSE COMMISSARY AGENCY	15838	81	77	89	3	
DD35 DEFENSE FINANCE AND ACCOUNTING SERVICE	23688	0	0	25	0	
DD41 DEFENSE MANPOWER DATA CENTER	261	0	0	0	0	
DD48 DEFENSE CIVILIAN PERSONNEL MGT CENTER	354	0	0	0	0	
DD50 MANAGEMENT SUPPORT CENTER	199	19	6	0	13	
DD52 MANAGEMENT SYSTEMS SUPPORT OFFICE	30	0	0	0	0	
DD58 PRISONER OF WAR/MISSING IN ACTION	67	0	0	0	0	
Total for Component: DD	120118	21854	7138	247	14471	

First stage of algorithm						Second stage of algorithm—cumulative results					
tion on ated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
33	0	106	1216	1	879	64	7	12	64	26	2062
0	0	1	88	0	121	1	0	0	0	0	209
41	0	1	150	0	160	42	0	0	0	0	310
160	15	446	3861	5	1975	189	24	85	250	201	5654
0	0	0	62	0	30	0	0	0	0	0	92
544	116	9482	5920	211	28910	15813	585	237	187	672	33689
0	0	0	7	0	50	0	0	0	0	0	57
42	0	1	77	0	253	42	0	0	1	1	329
0	2	4310	135	2	811	4306	29	3	3	18	901
90	0	60	4613	5	2604	122	6	27	6	15	7196
2	0	0	110	0	589	2	0	0	0	0	699
15	0	1	110	0	43	15	0	1	0	0	153
0	0	0	213	18	593	0	0	18	0	0	806
23	0	0	98	0	110	23	0	0	0	0	208
1	0	3	62	1	21	1	0	1	3	0	83
46	0	2	281	0	1410	46	0	0	2	0	1691
0	0	0	36	0	12	0	0	0	0	0	48
0	0	0	3	0	69	0	0	0	0	0	72
12	0	0	944	1	746	12	0	1	0	2	1688
22	0	35	96	0	59	37	2	2	18	32	121
0	0	0	48	0	32	0	0	0	0	0	80
24	0	7	93	0	153	24	0	0	7	15	231
77	89	3	1463	1	14205	77	89	3	1	1	15667
0	25	0	7118	0	16545	0	25	0	0	4	23659
0	0	0	205	0	56	0	0	0	0	0	261
0	0	0	24	0	330	0	0	0	0	2	352
6	0	13	143	0	37	7	1	3	9	10	169
0	0	0	28	0	2	0	1	0	0	1	28
0	0	0	12	0	55	0	0	0	0	0	67
138	247	14471	27216	245	70860	20823	769	393	551	1000	96582

(2)

Second stage of algorithm—cumulative results

Position at end	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
879	64	7	12	64	26	2062
121	1	0	0	0	0	209
160	42	0	0	0	0	310
1975	189	24	85	250	201	5654
30	0	0	0	0	0	92
3910	15813	585	237	187	672	33689
50	0	0	0	0	0	57
253	42	0	0	1	1	329
811	4306	29	3	3	18	901
2604	122	6	27	6	15	7196
589	2	0	0	0	0	699
43	15	0	1	0	0	153
593	0	0	18	0	0	806
110	23	0	0	0	0	208
21	1	0	1	3	0	83
1410	46	0	0	2	0	1691
12	0	0	0	0	0	48
69	0	0	0	0	0	72
746	12	0	1	0	2	1688
59	37	2	2	18	32	121
32	0	0	0	0	0	80
153	24	0	0	7	15	231
1205	77	89	3	1	1	15667
3545	0	25	0	0	4	23659
56	0	0	0	0	0	261
330	0	0	0	0	2	352
37	7	1	3	9	10	169
2	0	1	0	0	1	28
55	0	0	0	0	0	67
860	20823	769	393	551	1000	96582

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

Occupational series		Total positions	Fourth Estate-designated acquisition positions	First Stag		
				Acquisition position and designated	Possible error of omission	Uncertain designated
0313	WORK UNIT SUPERVISING	2	0	0	0	0
0318	SECRETARY	4254	33	0	0	0
0322	CLERK-TYPIST	383	1	0	0	0
0326	OFFICE AUTOMATION CLERICAL AND	1068	3	0	0	0
0332	COMPUTER OPERATION	1097	0	0	0	0
0334 *	COMPUTER SPECIALIST	6452	254	0	0	254
0335	COMPUTER CLERK & ASSISTANT	843	8	0	0	0
0340 *	PROGRAM MANAGEMENT	88	24	0	0	24
0341	ADMINISTRATIVE OFFICER	216	6	0	0	0
0342	SUPPORT SERVICES ADMINISTRATION	141	4	0	0	0
0343 *	MANAGEMENT AND PROGRAM ANALYSIS	2869	285	0	0	285
0344	MANAGEMENT CLERICAL AND ASSISTANCE	819	16	0	0	0
0345	PROGRAM ANALYSIS	5	0	0	0	0
0346 *	LOGISTICS MANAGEMENT	146	45	0	0	45
0350	EQUIPMENT OPERATOR	138	0	0	0	0
0351	PRINTING CLERICAL	2	0	0	0	0
0356	DATA TRANSCRIBER	138	0	0	0	0
0357	CODING	1	0	0	0	0
0360	EQUAL OPPORTUNITY COMPLIANCE	2	0	0	0	0
0361	EQUAL OPPORTUNITY ASSISTANCE	29	0	0	0	0
0382	TELEPHONE OPERATING	17	0	0	0	0
0390	TELECOMMUNICATIONS PROCESSING	29	0	0	0	0
0391 *	TELECOMMUNICATIONS	655	103	0	0	103
0392 *	GENERAL TELECOMMUNICATIONS	57	15	0	0	15
0393	COMMUNICATIONS SPECIALIST	1	0	0	0	0
0394	COMMUNICATIONS CLERICAL	14	0	0	0	0
0399	ADMINISTRATIVE/OFFICE SUPPORT STUDENT	62	0	0	0	0
0401 *	GENERAL BIOLOGICAL SCIENCE	54	0	0	0	0
0403 *	MICROBIOLOGY	37	0	0	0	0
0404	BIOLOGICAL SCIENCE TECHNICIAN	57	0	0	0	0
0405 *	PHARMACOLOGY	11	0	0	0	0
0413 *	PHYSIOLOGY	26	0	0	0	0
0414 *	ENTOMOLOGY	3	2	0	0	2
0415 *	TOXICOLOGY	1	0	0	0	0
0437 *	HORTICULTURE	1	0	0	0	0
0487 *	ANIMAL SCIENCE	2	0	0	0	0
0501 *	FINANCIAL ADMINISTRATION AND PROGRAM	2213	6	0	0	6
0503	FINANCIAL CLERICAL AND ASSISTANCE	1197	0	0	0	0
0505 *	FINANCIAL MANAGEMENT	71	0	0	0	0
0510 *	ACCOUNTING	3502	8	0	0	8
0511 *	AUDITING	5157	4307	0	0	4307
0525	ACCOUNTING TECHNICIAN	8331	2	0	0	0
0530	CASH PROCESSING	784	0	0	0	0
0540	VOUCHER EXAMINING	1773	0	0	0	0
0544	CIVILIAN PAY	974	0	0	0	0
0545	MILITARY PAY	1878	0	0	0	0
0560 *	BUDGET ANALYSIS	551	6	0	0	6
0561	BUDGET CLERICAL AND ASSISTANCE	90	1	0	0	0
0599	FINANCIAL MANAGEMENT STUDENT TRAINEE	29	0	0	0	0
0601	GENERAL HEALTH SCIENCE	54	1	0	0	0
0602	MEDICAL OFFICER	57	0	0	0	0
0610	NURSE	22	0	0	0	0
0621	NURSING ASSISTANT	1	0	0	0	0
0630	DIETITIAN AND NUTRITIONIST	1	0	0	0	0

First Stage of Algorithm						Second Stage of Algorithm—Cumulative Results					
id	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designate
0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	33	4221	0	0	0	0	33	42
0	0	0	0	1	382	0	0	0	0	1	3
0	0	0	0	3	1065	0	0	0	0	3	10
0	0	0	0	0	1097	0	0	0	0	0	10
0	0	254	6198	0	0	5	4	214	237	35	59
0	0	0	0	8	835	0	0	0	0	8	8
0	0	24	64	0	0	20	0	4	8	0	
0	0	0	0	6	210	0	0	0	0	6	2
0	0	0	0	4	137	0	0	0	0	4	1
0	0	285	2584	0	0	82	6	180	270	23	20
0	0	0	0	16	803	0	0	0	0	16	8
0	0	0	0	0	5	0	0	0	0	0	
0	0	45	101	0	0	26	3	17	25	2	
0	0	0	0	0	138	0	0	0	0	0	1
0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	138	0	0	0	0	0	1
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	29	0	0	0	0	0	
0	0	0	0	0	17	0	0	0	0	0	
0	0	0	0	0	29	0	0	0	0	0	
0	0	103	552	0	0	0	0	97	26	6	5
0	0	15	42	0	0	0	0	15	24	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	14	0	0	0	0	0	
0	0	0	0	0	62	0	0	0	0	0	
0	0	0	54	0	0	0	0	0	0	0	
0	0	0	37	0	0	0	0	0	0	0	
0	0	0	0	0	57	0	0	0	0	0	
0	0	0	11	0	0	0	0	0	0	0	
0	0	0	26	0	0	0	0	0	0	0	
0	0	2	1	0	0	2	0	0	0	0	
0	0	0	1	0	0	0	0	0	0	0	
0	0	0	1	0	0	0	0	0	0	0	
0	0	0	2	0	0	0	0	0	0	0	
0	0	6	2207	0	0	1	0	5	16	0	21
0	0	0	0	0	1197	0	0	0	0	0	11
0	0	0	71	0	0	0	0	2	0	0	
0	0	8	3494	0	0	0	1	8	15	0	34
0	0	4307	850	0	0	4306	25	1	5	0	8
0	0	0	0	2	8329	0	0	0	0	2	83
0	0	0	0	0	784	0	0	0	0	0	7
0	0	0	0	0	1773	0	0	0	0	0	17
0	0	0	0	0	974	0	0	0	0	0	9
0	0	0	0	0	1878	0	0	0	0	0	18
0	0	6	545	0	0	0	0	5	15	1	5
0	0	0	0	1	89	0	0	0	0	1	
0	0	0	0	0	29	0	0	0	0	0	
0	0	0	0	1	53	0	0	0	0	1	
0	0	0	0	0	57	0	0	0	0	0	
0	0	0	0	0	22	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	

Second Stage of Algorithm—Cumulative Results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
2	0	0	0	0	0	2
4221	0	0	0	0	33	4221
382	0	0	0	0	1	382
1065	0	0	0	0	3	1065
1097	0	0	0	0	0	1097
0	5	4	214	237	35	5957
835	0	0	0	0	8	835
0	20	0	4	8	0	56
210	0	0	0	0	6	210
137	0	0	0	0	4	137
0	82	6	180	270	23	2308
803	0	0	0	0	16	803
5	0	0	0	0	0	5
0	26	3	17	25	2	73
138	0	0	0	0	0	138
2	0	0	0	0	0	2
138	0	0	0	0	0	138
1	0	0	0	0	0	1
2	0	0	0	0	0	2
29	0	0	0	0	0	29
17	0	0	0	0	0	17
29	0	0	0	0	0	29
0	0	0	97	26	6	526
0	0	0	15	24	0	18
1	0	0	0	0	0	1
14	0	0	0	0	0	14
62	0	0	0	0	0	62
0	0	0	0	0	0	54
0	0	0	0	0	0	37
57	0	0	0	0	0	57
0	0	0	0	0	0	11
0	0	0	0	0	0	26
0	2	0	0	0	0	1
0	0	0	0	0	0	1
0	0	0	0	0	0	1
0	0	0	0	0	0	2
0	1	0	5	16	0	2191
1197	0	0	0	0	0	1197
0	0	0	0	2	0	69
0	0	1	8	15	0	3478
0	4306	25	1	5	0	820
8329	0	0	0	0	2	8329
784	0	0	0	0	0	784
1773	0	0	0	0	0	1773
974	0	0	0	0	0	974
1878	0	0	0	0	0	1878
0	0	0	5	15	1	530
89	0	0	0	0	1	89
29	0	0	0	0	0	29
53	0	0	0	0	1	53
57	0	0	0	0	0	57
22	0	0	0	0	0	22
1	0	0	0	0	0	1
1	0	0	0	0	0	1

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

Occupational series	Total positions	Fourth Estate-designated acquisition positions	First Stage of			
			Acquisition position and designated	Possible error of omission	Uncertain designated	U de
0000 UNEMPLOYED	1	0	0	0	0	0
0018 * SAFETY AND OCCUPATIONAL HEALTH	183	19	0	0	19	
0019 SAFETY TECHNICIAN	8	0	0	0	0	0
0028 * ENVIRONMENTAL PROTECTION SPECIALIST	360	5	0	0	5	
0029 ENVIRONMENTAL PROTECTION ASSISTANT	96	0	0	0	0	0
0030 SPORTS SPECIALIST	1	0	0	0	0	0
0050 FUNERAL DIRECTING	1	0	0	0	0	0
0062 CLOTHING DESIGN	14	0	0	0	0	0
0080 SECURITY ADMINISTRATION	616	2	0	0	0	0
0081 FIRE PROTECTION AND PREVENTION	120	0	0	0	0	0
0083 POLICE	463	0	0	0	0	0
0085 SECURITY GUARD	246	0	0	0	0	0
0086 SECURITY CLERICAL AND ASSISTANCE	298	0	0	0	0	0
0099 GENERAL STUDENT TRAINEE	3	0	0	0	0	0
0101 SOCIAL SCIENCE	23	0	0	0	0	0
0110 * ECONOMIST	12	1	0	0	1	
0119 ECONOMICS ASSISTANT	1	0	0	0	0	0
0130 FOREIGN AFFAIRS	123	0	0	0	0	0
0131 INTERNATIONAL RELATIONS	17	0	0	0	0	0
0132 INTELLIGENCE	71	0	0	0	0	0
0134 INTELLIGENCE AID AND CLERK	12	0	0	0	0	0
0142 MANPOWER DEVELOPMENT	1	0	0	0	0	0
0144	1	0	0	0	0	0
0150 GEOGRAPHY	27	0	0	0	0	0
0170 HISTORY	16	0	0	0	0	0
0180 * PSYCHOLOGY	27	0	0	0	0	0
0181 PSYCHOLOGY AID AND TECHNICIAN	10	0	0	0	0	0
0185 SOCIAL WORK	2	0	0	0	0	0
0186 SOCIAL SERVICES AID AND ASSISTANT	2	0	0	0	0	0
0187 SOCIAL SERVICES	1	0	0	0	0	0
0188 RECREATION SPECIALIST	7	0	0	0	0	0
0189 RECREATION AID AND ASSISTANT	17	0	0	0	0	0
0199 SOCIAL SCIENCE STUDENT TRAINEE	2	0	0	0	0	0
0201 PERSONNEL MANAGEMENT	695	0	0	0	0	0
0203 PERSONNEL CLERICAL AND ASSISTANCE	633	2	0	0	0	0
0204 MILITARY PERSONNEL CLERICAL AND	34	0	0	0	0	0
0205 MILITARY PERSONNEL MANAGEMENT	19	0	0	0	0	0
0212 PERSONNEL STAFFING	220	0	0	0	0	0
0221 POSITION CLASSIFICATION	125	0	0	0	0	0
0223 SALARY AND WAGE ADMINISTRATION	53	0	0	0	0	0
0230 EMPLOYEE RELATIONS	220	1	0	0	0	0
0233 LABOR RELATIONS	45	0	0	0	0	0
0235 EMPLOYEE DEVELOPMENT	162	5	0	0	0	0
0243 APPRENTICESHIP AND TRAINING	1	0	0	0	0	0
0260 EQUAL EMPLOYMENT OPPORTUNITY	163	0	0	0	0	0
0270 FEDERAL RETIREMENT BENEFITS	1	0	0	0	0	0
0299 PERSONNEL MANAGEMENT STUDENT TRAINEE	5	0	0	0	0	0
0301 * MISCELLANEOUS ADMINISTRATION & PROGRAM	1944	108	0	0	108	
0302 MESSENGER	7	0	0	0	0	0
0303 MISCELLANEOUS CLERK & ASSISTANT	2437	29	0	0	0	0
0304 INFORMATION RECEPTIONIST	12	0	0	0	0	0
0305 MAIL AND FILE	715	6	0	0	0	0
0309 CORRESPONDENCE CLERK	10	0	0	0	0	0
0312 CLERK-STENOGRAPHER AND REPORTER	4	0	0	0	0	0

Birth date- nation sions	First Stage of Algorithm						Second Stage of Algorithm—Cumulative Re				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error c commiss
0	0	0	0	0	0	1	0	0	0	0	0
19	0	0	19	164	0	0	12	2	6	47	
0	0	0	0	0	0	8	0	0	0	0	
5	0	0	5	355	0	0	4	2	0	2	
0	0	0	0	0	0	96	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	14	0	0	0	0	
2	0	0	0	0	2	614	0	0	0	0	
0	0	0	0	0	0	120	0	0	0	0	
0	0	0	0	0	0	463	0	0	0	0	
0	0	0	0	0	0	246	0	0	0	0	
0	0	0	0	0	0	298	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	
0	0	0	0	0	0	23	0	0	0	0	
1	0	0	1	11	0	0	0	0	1	1	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	123	0	0	0	0	
0	0	0	0	0	0	17	0	0	0	0	
0	0	0	0	0	0	71	0	0	0	0	
0	0	0	0	0	0	12	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	27	0	0	0	0	
0	0	0	0	0	0	16	0	0	0	0	
0	0	0	0	27	0	0	0	0	0	0	
0	0	0	0	0	0	10	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	7	0	0	0	0	
0	0	0	0	0	0	17	0	0	0	0	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	695	0	0	0	0	
2	0	0	0	0	2	631	0	0	0	0	
0	0	0	0	0	0	34	0	0	0	0	
0	0	0	0	0	0	19	0	0	0	0	
0	0	0	0	0	0	220	0	0	0	0	
0	0	0	0	0	0	125	0	0	0	0	
0	0	0	0	0	0	53	0	0	0	0	
1	0	0	0	0	1	219	0	0	0	0	
0	0	0	0	0	0	45	0	0	0	0	
5	0	0	0	0	5	157	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	163	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	5	0	0	0	0	
108	0	0	108	1836	0	0	0	0	95	191	
0	0	0	0	0	0	7	0	0	0	0	
29	0	0	0	0	29	2408	0	0	0	0	
0	0	0	0	0	0	12	0	0	0	0	
6	0	0	0	0	6	709	0	0	0	0	
0	0	0	0	0	0	10	0	0	0	0	
0	0	0	0	0	0	4	0	0	0	0	

Second Stage of Algorithm—Cumulative Results							
	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	1	0	0	0	0	0	1
0	0	12	2	6	47	1	115
0	8	0	0	0	0	0	8
0	0	4	2	0	2	1	351
0	96	0	0	0	0	0	96
0	1	0	0	0	0	0	1
0	1	0	0	0	0	0	1
0	14	0	0	0	0	0	14
2	614	0	0	0	0	2	614
0	120	0	0	0	0	0	120
0	463	0	0	0	0	0	463
0	246	0	0	0	0	0	246
0	298	0	0	0	0	0	298
0	3	0	0	0	0	0	3
0	23	0	0	0	0	0	23
0	0	0	0	1	1	0	10
0	1	0	0	0	0	0	1
0	123	0	0	0	0	0	123
0	17	0	0	0	0	0	17
0	71	0	0	0	0	0	71
0	12	0	0	0	0	0	12
0	1	0	0	0	0	0	1
0	1	0	0	0	0	0	1
0	27	0	0	0	0	0	27
0	16	0	0	0	0	0	16
0	0	0	0	0	0	0	27
0	10	0	0	0	0	0	10
0	2	0	0	0	0	0	2
0	2	0	0	0	0	0	2
0	1	0	0	0	0	0	1
0	7	0	0	0	0	0	7
0	17	0	0	0	0	0	17
0	2	0	0	0	0	0	2
0	695	0	0	0	0	0	695
0	631	0	0	0	0	2	631
0	34	0	0	0	0	0	34
0	19	0	0	0	0	0	19
0	220	0	0	0	0	0	220
0	125	0	0	0	0	0	125
0	53	0	0	0	0	0	53
0	219	0	0	0	0	1	219
0	45	0	0	0	0	0	45
5	157	0	0	0	0	5	157
0	1	0	0	0	0	0	1
0	163	0	0	0	0	0	163
0	1	0	0	0	0	0	1
0	5	0	0	0	0	0	5
0	0	0	0	95	191	13	1645
0	7	0	0	0	0	0	7
0	2408	0	0	0	0	29	2408
0	12	0	0	0	0	0	12
0	709	0	0	0	0	6	709
0	10	0	0	0	0	0	10
0	4	0	0	0	0	0	4

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Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

Occupational series		Total positions	Fourth Estate-designated acquisition positions	First Stage of A			
				Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain designated
0640	HEALTH AID AND TECHNICIAN	3	0	0	0	0	0
0644	MEDICAL TECHNOLOGIST	1	0	0	0	0	0
0645	MEDICAL TECHNICIAN	1	0	0	0	0	0
0646	PATHOLOGY TECHNICIAN	1	0	0	0	0	0
0660 *	PHARMACIST	6	3	0	0	3	0
0671	HEALTH SYSTEM SPECIALIST	6	0	0	0	0	0
0679	MEDICAL CLERK	2	0	0	0	0	0
0690	INDUSTRIAL HYGIENE	28	0	0	0	0	0
0699	MEDICAL & HEALTH STUDENT TRAINEE	1	0	0	0	0	0
0801 *	GENERAL ENGINEERING	598	352	0	0	352	0
0802	ENGINEERING TECHNICIAN	134	18	0	0	0	0
0803 *	SAFETY ENGINEERING	8	1	0	0	1	0
0804 *	FIRE PREVENTION ENGINEERING	3	0	0	0	0	0
0806 *	MATERIALS ENGINEERING	12	8	0	0	8	0
0808 *	ARCHITECTURE	16	0	0	0	0	0
0809 *	CONSTRUCTION CONTROL	13	0	0	0	0	0
0810 *	CIVIL ENGINEERING	37	0	0	0	0	0
0817	SURVEYING TECHNICIAN	26	0	0	0	0	0
0818	ENGINEERING DRAFTING	11	0	0	0	0	0
0819 *	ENVIRONMENTAL ENGINEERING	20	0	0	0	0	0
0830 *	MECHANICAL ENGINEERING	184	67	0	0	67	0
0840 *	NUCLEAR ENGINEERING	8	6	0	0	6	0
0850	ELECTRICAL ENGINEERING	39	15	0	0	0	0
0854 *	COMPUTER ENGINEERING	57	28	0	0	28	0
0855 *	ELECTRONICS ENGINEERING	914	471	0	0	471	0
0856	ELECTRONICS TECHNICIAN	207	14	0	0	0	0
0858 *	BIOMEDICAL ENGINEERING	7	4	0	0	4	0
0861 *	AEROSPACE ENGINEERING	143	114	0	0	114	0
0871 *	NAVAL ARCHITECTURE	2	0	0	0	0	0
0873	SHIP SURVEYING	1	0	0	0	0	0
0880 *	MINING ENGINEERING	1	0	0	0	0	0
0893 *	CHEMICAL ENGINEERING	11	0	0	0	0	0
0895	INDUSTRIAL ENGINEERING TECHNICIAN	10	3	0	0	0	0
0896 *	INDUSTRIAL ENGINEERING	288	229	0	0	229	0
0899	ENGINEERING AND ARCHITECTURE STUDENT	12	0	0	0	0	0
0904	LAW CLERK	4	0	0	0	0	0
0905	GENERAL ATTORNEY	458	0	0	0	0	0
0950	PARALEGAL SPECIALIST	88	0	0	0	0	0
0962	CONTACT REPRESENTATIVE	139	0	0	0	0	0
0963	LEGAL INSTRUMENTS EXAMINING	37	0	0	0	0	0
0986	LEGAL CLERICAL AND ASSISTANCE	102	0	0	0	0	0
0990	GENERAL CLAIMS EXAMINING	128	0	0	0	0	0
0995	DEPENDENTS AND ESTATES CLAIMS EXAMINING	26	0	0	0	0	0
0998	CLAIMS CLERICAL	8	0	0	0	0	0
0001		124	18	0	0	0	0
1001	GENERAL ARTS AND INFORMATION	62	0	0	0	0	0
1008	INTERIOR DESIGN	6	0	0	0	0	0
1010	EXHIBITS SPECIALIST	2	0	0	0	0	0
1020	ILLUSTRATING	18	0	0	0	0	0
1035	PUBLIC AFFAIRS	113	0	0	0	0	0
1040	LANGUAGE SPECIALIST	14	0	0	0	0	0
1060	PHOTOGRAPHY	90	1	0	0	0	0
1071	AUDIOVISUAL PRODUCTION	60	0	0	0	0	0
1082	WRITING AND EDITING	73	0	0	0	0	0

First Stage of Algorithm						Second Stage of Algorithm—Cumulative Results					
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	
0	0	0	0	0	3	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	3	3	0	0	0	0	3	3	0	
0	0	0	0	0	6	0	0	0	0	0	
0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	28	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	352	246	0	0	282	33	70	99	0	
0	0	0	0	18	116	0	0	0	0	18	
0	0	1	7	0	0	0	0	1	2	0	
0	0	0	3	0	0	0	0	0	0	0	
0	0	8	4	0	0	7	0	1	1	0	
0	0	0	16	0	0	0	0	0	0	0	
0	0	0	13	0	0	0	0	0	0	0	
0	0	0	37	0	0	0	0	0	2	0	
0	0	0	0	0	26	0	0	0	0	0	
0	0	0	0	0	11	0	0	0	0	0	
0	0	0	20	0	0	0	0	0	0	0	
0	0	67	117	0	0	62	11	4	14	1	
0	0	6	2	0	0	6	0	0	0	0	
0	0	0	0	15	24	0	0	0	0	15	
0	0	28	29	0	0	26	2	2	3	0	
0	0	471	443	0	0	366	55	100	85	5	
0	0	0	0	14	193	0	0	0	0	14	
0	0	4	3	0	0	0	0	4	3	0	
0	0	114	29	0	0	114	18	0	1	0	
0	0	0	2	0	0	0	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	
0	0	0	1	0	0	0	0	0	0	0	
0	0	0	11	0	0	0	0	0	0	0	
0	0	0	0	3	7	0	0	0	0	3	
0	0	229	59	0	0	223	29	6	10	0	
0	0	0	0	0	12	0	0	0	0	0	
0	0	0	0	0	4	0	0	0	0	0	
0	0	0	0	0	458	0	0	0	0	0	
0	0	0	0	0	88	0	0	0	0	0	
0	0	0	0	0	139	0	0	0	0	0	
0	0	0	0	0	37	0	0	0	0	0	
0	0	0	0	0	102	0	0	0	0	0	
0	0	0	0	0	128	0	0	0	0	0	
0	0	0	0	0	26	0	0	0	0	0	
0	0	0	0	0	8	0	0	0	0	0	
0	0	0	0	18	106	0	0	0	0	18	
0	0	0	0	0	62	0	0	0	0	0	
0	0	0	0	0	6	0	0	0	0	0	
0	0	0	0	0	2	0	0	0	0	0	
0	0	0	0	0	18	0	0	0	0	0	
0	0	0	0	0	113	0	0	0	0	0	
0	0	0	0	0	14	0	0	0	0	0	
0	0	0	0	1	89	0	0	0	0	1	
0	0	0	0	0	60	0	0	0	0	0	
0	0	0	0	0	73	0	0	0	0	0	

Second Stage of Algorithm—Cumulative Results						
Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	3	0	0	0	0	3
0	1	0	0	0	0	1
0	1	0	0	0	0	1
0	1	0	0	0	0	1
0	0	0	0	3	0	0
0	6	0	0	0	0	6
0	2	0	0	0	0	2
0	28	0	0	0	0	28
0	1	0	0	0	0	1
0	0	282	33	70	99	114
3	116	0	0	0	0	116
0	0	0	0	1	2	5
0	0	0	0	0	0	3
0	0	7	0	1	1	3
0	0	0	0	0	0	16
0	0	0	0	0	0	13
0	0	0	0	0	2	35
0	26	0	0	0	0	26
0	11	0	0	0	0	11
0	0	0	0	0	0	20
0	0	62	11	4	14	92
0	0	6	0	0	0	2
5	24	0	0	0	0	24
0	0	26	2	2	3	24
0	0	366	55	100	85	303
1	193	0	0	0	0	193
0	0	0	0	4	3	0
0	0	114	18	0	1	10
0	0	0	0	0	0	2
0	1	0	0	0	0	1
0	0	0	0	0	0	1
0	0	0	0	0	0	11
0	7	0	0	0	0	7
0	0	223	29	6	10	20
0	12	0	0	0	0	12
0	4	0	0	0	0	4
0	458	0	0	0	0	458
0	88	0	0	0	0	88
0	139	0	0	0	0	139
0	37	0	0	0	0	37
0	102	0	0	0	0	102
0	128	0	0	0	0	128
0	26	0	0	0	0	26
0	8	0	0	0	0	8
0	106	0	0	0	0	106
0	62	0	0	0	0	62
0	6	0	0	0	0	6
0	2	0	0	0	0	2
0	18	0	0	0	0	18
0	113	0	0	0	0	113
0	14	0	0	0	0	14
0	89	0	0	0	0	89
0	60	0	0	0	0	60
0	73	0	0	0	0	73

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

Occupational series		Total positions	Fourth Estate- designated acquisition positions	First Stage of			
				Acquisition position and designated	Possible error of omission	Uncertain designated	Un- des
1083	TECHNICAL WRITING AND EDITING	31	1	0	0	0	0
1084	VISUAL INFORMATION	89	0	0	0	0	0
1087	EDITORIAL ASSISTANCE	20	0	0	0	0	0
1099	INFORMATION AND ARTS STUDENT TRAINEE	6	0	0	0	0	0
1101 *	GENERAL BUSINESS AND INDUSTRY	1293	771	0	0	771	0
1102 *	CONTRACTING	5390	5245	5245	145	0	0
1103 *	INDUSTRIAL PROPERTY MANAGEMENT	420	417	0	0	417	0
1104 *	PROPERTY DISPOSAL	702	0	0	0	0	0
1105 *	PURCHASING	117	86	86	31	0	0
1106 *	PROCUREMENT CLERICAL AND ASSISTANCE	1878	1807	1807	71	0	0
1107	PROPERTY DISPOSAL CLERICAL AND	440	8	0	0	0	0
1130 *	PUBLIC UTILITIES SPECIALIST	10	5	0	0	5	0
1144 *	COMMISSARY STORE MANAGEMENT	918	1	0	0	0	1
1150 *	INDUSTRIAL SPECIALIST	996	897	0	0	897	0
1152 *	PRODUCTION CONTROL	75	0	0	0	0	0
1163	INSURANCE EXAMINING	28	1	0	0	0	0
1173	HOUSING MANAGEMENT	1	0	0	0	0	0
1176	BUILDING MANAGEMENT	64	0	0	0	0	0
1199	BUSINESS AND INDUSTRY STUDENT TRAINEE	11	1	0	0	0	0
1301 *	GENERAL PHYSICAL SCIENCE	512	37	0	0	37	0
1306 *	HEALTH PHYSICS	5	0	0	0	0	0
1310 *	PHYSICS	20	0	0	0	0	0
1311	PHYSICAL SCIENCE TECHNICIAN	11	0	0	0	0	0
1313 *	GEOPHYSICS	1	0	0	0	0	0
1320 *	CHEMISTRY	46	21	0	0	21	0
1361 *	NAVIGATIONAL INFORMATION	201	0	0	0	0	0
1370 *	CARTOGRAPHY	3152	14	0	0	14	0
1371	CARTOGRAPHIC TECHNICIAN	11	0	0	0	0	0
1372 *	GEODESY	217	0	0	0	0	0
1374	GEODETC TECHNICIAN	6	0	0	0	0	0
1380	FOREST PRODUCTS TECHNOLOGY	1	0	0	0	0	0
1382 *	FOOD TECHNOLOGY	10	8	0	0	8	0
1384 *	TEXTILE TECHNOLOGY	11	7	0	0	7	0
1399	PHYSICAL SCIENCE STUDENT TRAINEE	7	0	0	0	0	0
1410	LIBRARIAN	18	0	0	0	0	0
1411	LIBRARY TECHNICIAN	52	0	0	0	0	0
1412	TECHNICAL INFORMATION SERVICES	222	0	0	0	0	0
1420	ARCHIVIST	3	0	0	0	0	0
1499	LIBRARY AND ARCHIVES STUDENT TRAINEE	1	0	0	0	0	0
1510 *	ACTUARY	11	0	0	0	0	0
1515 *	OPERATIONS RESEARCH	267	27	0	0	27	0
1520 *	MATHEMATICS	12	0	0	0	0	0
1529 *	MATHEMATICAL STATISTICIAN	6	0	0	0	0	0
1530 *	STATISTICIAN	8	1	0	0	1	0
1531	STATISTICAL ASSISTANT	15	0	0	0	0	0
1550 *	COMPUTER SCIENCE	243	33	0	0	33	0
1599	MATHEMATICS AND STATISTICS STUDENT	2	0	0	0	0	0
1601	GENERAL FACILITIES & EQUIPMENT	55	0	0	0	0	0
1640	FACILITY MANAGEMENT	18	0	0	0	0	0
1654	PRINTING MANAGEMENT	34	0	0	0	0	0
1670	EQUIPMENT SPECIALIST	810	6	0	0	0	0
1699	EQUIPMENT AND FACILITIES MGMT STUDENT	1	0	0	0	0	0
1701	GENERAL EDUCATION AND TRAINING	37	0	0	0	0	0
1702	EDUCATION AND TRAINING TECHNICIAN	20	0	0	0	0	0

Fourth state- designated position positions	First Stage of Algorithm						Second Stage of Algorithm—Cumulative R				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error commis
1	0	0	0	0	1	30	0	0	0	0	
0	0	0	0	0	0	89	0	0	0	0	
0	0	0	0	0	0	20	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	
771	0	0	771	522	0	0	720	79	51	73	
5245	5245	145	0	0	0	0	5245	145	0	0	
417	0	0	417	3	0	0	415	2	2	1	
0	0	0	0	702	0	0	0	0	0	0	
86	86	31	0	0	0	0	86	31	0	0	
1807	1807	71	0	0	0	0	1807	71	0	0	
8	0	0	0	0	8	432	0	0	0	0	
5	0	0	5	5	0	0	5	0	0	1	
1	0	0	1	917	0	0	0	0	0	0	
897	0	0	897	99	0	0	884	66	13	15	
0	0	0	0	75	0	0	0	0	0	1	
1	0	0	0	0	1	27	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	64	0	0	0	0	
1	0	0	0	0	1	10	0	0	0	0	
37	0	0	37	475	0	0	1	0	29	27	
0	0	0	0	5	0	0	0	0	0	0	
0	0	0	0	20	0	0	0	0	0	0	
0	0	0	0	0	0	11	0	0	0	0	
0	0	0	0	1	0	0	0	0	0	0	
21	0	0	21	25	0	0	19	5	1	3	
0	0	0	0	201	0	0	0	0	0	0	
14	0	0	14	3138	0	0	0	0	2	6	
0	0	0	0	0	0	11	0	0	0	0	
0	0	0	0	217	0	0	0	0	0	0	
0	0	0	0	0	0	6	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	0	8	2	0	0	
8	0	0	8	2	0	0	5	1	2	3	
7	0	0	7	4	0	0	0	0	0	0	
0	0	0	0	0	0	7	0	0	0	0	
0	0	0	0	0	0	18	0	0	0	0	
0	0	0	0	0	0	52	0	0	0	0	
0	0	0	0	0	0	222	0	0	0	0	
0	0	0	0	0	0	3	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	11	0	0	0	0	0	0	
27	0	0	27	240	0	0	0	0	16	19	
0	0	0	0	12	0	0	0	0	0	0	
0	0	0	0	6	0	0	0	0	0	0	
1	0	0	1	7	0	0	0	0	1	2	
0	0	0	0	0	0	15	0	0	0	0	
33	0	0	33	210	0	0	0	0	27	11	
0	0	0	0	0	0	2	0	0	0	0	
0	0	0	0	0	0	55	0	0	0	0	
0	0	0	0	0	0	18	0	0	0	0	
0	0	0	0	0	0	34	0	0	0	0	
6	0	0	0	0	6	804	0	0	0	0	
0	0	0	0	0	0	1	0	0	0	0	
0	0	0	0	0	0	37	0	0	0	0	
0	0	0	0	0	0	20	0	0	0	0	

Second Stage of Algorithm—Cumulative Results						
sition at ted	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
30	0	0	0	0	1	30
89	0	0	0	0	0	89
20	0	0	0	0	0	20
6	0	0	0	0	0	6
0	720	79	51	73	0	370
0	5245	145	0	0	0	0
0	415	2	2	1	0	0
0	0	0	0	0	0	702
0	86	31	0	0	0	0
0	1807	71	0	0	0	0
432	0	0	0	0	8	432
0	5	0	0	1	0	4
0	0	0	0	0	1	917
0	884	66	13	15	0	18
0	0	0	0	1	0	74
27	0	0	0	0	1	27
1	0	0	0	0	0	1
64	0	0	0	0	0	64
10	0	0	0	0	1	10
0	1	0	29	27	7	448
0	0	0	0	0	0	5
0	0	0	0	0	0	20
11	0	0	0	0	0	11
0	0	0	0	0	0	1
0	19	5	1	3	1	17
0	0	0	0	0	0	201
0	0	0	2	6	12	3132
11	0	0	0	0	0	11
0	0	0	0	0	0	217
6	0	0	0	0	0	6
1	0	0	0	0	0	1
0	8	2	0	0	0	0
0	5	1	2	3	0	0
7	0	0	0	0	0	7
18	0	0	0	0	0	18
52	0	0	0	0	0	52
222	0	0	0	0	0	222
3	0	0	0	0	0	3
1	0	0	0	0	0	1
0	0	0	0	0	0	11
0	0	0	16	19	11	221
0	0	0	0	0	0	12
0	0	0	0	0	0	6
0	0	0	1	2	0	5
15	0	0	0	0	0	15
0	0	0	27	11	6	199
2	0	0	0	0	0	2
55	0	0	0	0	0	55
18	0	0	0	0	0	18
34	0	0	0	0	0	34
804	0	0	0	0	6	804
1	0	0	0	0	0	1
37	0	0	0	0	0	37
20	0	0	0	0	0	20

(3)

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

			First Stage of Allocation				
Occupational series			Fourth Estate-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated
1710	EDUCATION AND VOCATIONAL TRAINING	5	0	0	0	0	0
1712	TRAINING INSTRUCTION	76	0	0	0	0	0
1740	EDUCATION SERVICES	1	0	0	0	0	0
1750	INSTRUCTIONAL SYSTEMS	28	1	0	0	0	0
1801	GENERAL INSPECTION INVESTIGATION &	66	1	0	0	0	0
1810	GENERAL INVESTIGATING	30	0	0	0	0	0
1811	CRIMINAL INVESTIGATING	436	0	0	0	0	0
1897	CUSTOMS AID	8	0	0	0	0	0
1910	QUALITY ASSURANCE	5762	5746	0	0	5746	0
2001	GENERAL SUPPLY	442	10	0	0	0	0
2003	SUPPLY PROGRAM MANAGEMENT	786	15	0	0	0	0
2005	SUPPLY CLERICAL AND TECHNICIAN	2678	5	0	0	0	0
2010	INVENTORY MANAGEMENT	1076	3	0	0	0	0
2030	DISTRIBUTION FACILITIES AND STORAGE MGT	410	11	0	0	0	0
2032	PACKAGING	134	3	0	0	0	0
2050	SUPPLY CATALOGING	330	0	0	0	0	0
2091	SALES STORE CLERICAL	5616	0	0	0	0	0
2099	SUPPLY STUDENT TRAINEE	7	0	0	0	0	0
2101	TRANSPORTATION SPECIALIST	40	0	0	0	0	0
2102	TRANSPORTATION CLERK & ASSISTANT	448	0	0	0	0	0
2130	TRAFFIC MANAGEMENT	322	4	0	0	0	0
2131	FREIGHT RATE	263	0	0	0	0	0
2132	TRAVEL	11	0	0	0	0	0
2134	SHIPMENT CLERICAL & ASSISTANCE	237	0	0	0	0	0
2135	TRANSPORTATION LOSS AND DAMAGE CLAIMS	70	0	0	0	0	0
2144	CARGO SCHEDULING	7	0	0	0	0	0
2150	TRANSPORTATION OPERATIONS	5	0	0	0	0	0
2151	DISPATCHING	18	0	0	0	0	0
2502	TELEPHONE MECHANIC	28	0	0	0	0	0
2504	WIRE COMMUNICATIONS CABLE SPLICING	1	0	0	0	0	0
2508	COMMUNICATIONS LINE INSTALLING AND	4	0	0	0	0	0
2511	WIRE COMMUNICATIONS EQUIP INSTALLING &	2	0	0	0	0	0
2601	MISC ELECTRONIC EQUIP INSTALLATION &	12	0	0	0	0	0
2604	ELECTRONICS MECHANIC	63	0	0	0	0	0
2606	ELECTRONIC INDUSTRIAL CONTROLS MECHANIC	128	0	0	0	0	0
2608	ELECTRONIC DIGITAL COMPUTER MECHANIC	35	0	0	0	0	0
2610	ELECTRONIC INTEGRATED SYSTEMS MECHANIC	9	0	0	0	0	0
2801	MISCELLANEOUS ELECTRICAL INSTALL &	8	0	0	0	0	0
2805	ELECTRICIAN	137	0	0	0	0	0
2810	ELECTRICIAN (HIGH VOLTAGE)	21	0	0	0	0	0
2854	ELECTRICAL EQUIPMENT REPAIRING	6	0	0	0	0	0
3101	MISC FABRIC AND LEATHER WORK	2	0	0	0	0	0
3105	FABRIC WORKING	42	0	0	0	0	0
3106	UPHOLSTERERING	2	0	0	0	0	0
3111	SEWING MACHINE OPERATING	3	0	0	0	0	0
3306	OPTICAL INSTRUMENT REPAIRING	7	0	0	0	0	0
3314	INSTRUMENT MAKING	4	0	0	0	0	0
3341	SCALE BUILDING,INSTALLING & REPAIRING	1	0	0	0	0	0
3359	INSTRUMENT MECHANIC	2	0	0	0	0	0
3414	MACHINING	26	0	0	0	0	0
3416	TOOLMAKING	1	0	0	0	0	0
3502	LABORING	396	0	0	0	0	0
3506	SUMMER AID/STUDENT AID	18	0	0	0	0	0
3511	LABORATORY WORKING	2	0	0	0	0	0

First Stage of Algorithm						Second Stage of Algorithm—Cumulative Results				
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	76	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	1	27	0	0	0	0	1
0	0	0	0	1	65	0	0	0	0	1
0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	436	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0
0	0	5746	16	0	0	5730	8	16	3	0
0	0	0	0	10	432	0	0	0	0	10
0	0	0	0	15	771	0	0	0	0	15
0	0	0	0	5	2673	0	0	0	0	5
0	0	0	0	3	1073	0	0	0	0	3
0	0	0	0	11	399	0	0	0	0	11
0	0	0	0	3	131	0	0	0	0	3
0	0	0	0	0	330	0	0	0	0	0
0	0	0	0	0	5616	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	448	0	0	0	0	0
0	0	0	0	4	318	0	0	0	0	4
0	0	0	0	0	263	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	237	0	0	0	0	0
0	0	0	0	0	70	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	18	0	0	0	0	0
0	0	0	0	0	28	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	63	0	0	0	0	0
0	0	0	0	0	128	0	0	0	0	0
0	0	0	0	0	35	0	0	0	0	0
0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	137	0	0	0	0	0
0	0	0	0	0	21	0	0	0	0	0
0	0	0	0	0	6	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	42	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	26	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	396	0	0	0	0	0
0	0	0	0	0	18	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

			First Stage of A				
Occupational series			Fourth Estate- designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Unc r desig
3515	LABORATORY SUPPORT WORKING	1	0	0	0	0	
3546	RAILROAD REPAIRING	1	0	0	0	0	
3566	CUSTODIAL WORKING	541	0	0	0	0	
3603	MASONRY	9	0	0	0	0	
3605	PLASTERING	2	0	0	0	0	
3606	ROOFING	11	0	0	0	0	
3610	INSULATING	4	0	0	0	0	
3702	FLAME/ARC CUTTING	4	0	0	0	0	
3703	WELDING	40	0	0	0	0	
3725	BATTERY REPAIRING	15	0	0	0	0	
3806	SHEET METAL MECHANIC	20	0	0	0	0	
3809	MOBILE EQUIPMENT METAL MECHANIC	8	0	0	0	0	
3910	MOTION PICTURE PROJECTION	3	0	0	0	0	
4101	MISCELLANEOUS PAINTING AND PAPERHANGING	2	0	0	0	0	
4102	PAINTING	111	0	0	0	0	
4104	SIGN PAINTING	8	0	0	0	0	
4201	MISC PLUMBING & PIPEFITTING	1	0	0	0	0	
4204	PIPEFITTING	57	0	0	0	0	
4206	PLUMBING	29	0	0	0	0	
4361	RUBBER EQUIPMENT REPAIRING	1	0	0	0	0	
4401	MISCELLANEOUS PRINTING	26	0	0	0	0	
4402	BINDERY WORKING	30	0	0	0	0	
4413	NEGATIVE ENGRAVING	82	0	0	0	0	
4414	OFFSET PHOTOGRAPHY	35	0	0	0	0	
4416	PLATEMAKING	34	0	0	0	0	
4417	OFFSET PRESS OPERATING	54	0	0	0	0	
4601	MISCELLANEOUS WOOD WORK	2	0	0	0	0	
4602	BLOCKING AND BRACING	115	0	0	0	0	
4604	WOOD WORKING	468	0	0	0	0	
4605	WOOD CRAFTING	9	0	0	0	0	
4607	CARPENTRY	78	0	0	0	0	
4618	WOODWORKING MACHINE OPERATING	12	0	0	0	0	
4654	FORM BLOCK MAKING	1	0	0	0	0	
4701	MISC GENERAL MAINTENANCE & OPERATIONS	40	0	0	0	0	
4737	GENERAL EQUIPMENT MECHANIC	83	0	0	0	0	
4742	UTILITY SYSTEMS REPAIRING-OPERATING	75	0	0	0	0	
4749	MAINTENANCE MECHANIC	217	0	0	0	0	
4801	MISCELLANEOUS GENERAL EQUIPMENT	4	0	0	0	0	
4804	LOCKSMITHING	7	0	0	0	0	
4805	MEDICAL EQUIPMENT REPAIRING	5	0	0	0	0	
4806	OFFICE APPLIANCE REPAIRING	7	0	0	0	0	
4808	CUSTODIAL EQUIPMENT SERVICING	1	0	0	0	0	
4845	ORTHOPEDIC APPLIANCE REPAIRING	4	0	0	0	0	
4850	BEARING RECONDITIONER	1	0	0	0	0	
5003	GARDENING	5	0	0	0	0	
5026	PEST CONTROLLING	23	0	0	0	0	
5048	ANIMAL CARETAKING	22	0	0	0	0	
5201	MISCELLANEOUS OCCUPATIONS	1	0	0	0	0	
5210	RIGGING	39	0	0	0	0	
5301	MISC INDUSTRIAL EQUIPMENT MAINT	15	0	0	0	0	
5306	AIR CONDITIONING EQUIPMENT MECHANIC	67	0	0	0	0	
5309	HEATING & BOILER PLANT EQUIPMENT	13	0	0	0	0	
5312	SEWING MACHINE REPAIRING	7	0	0	0	0	
5313	ELEVATOR MECHANIC	3	0	0	0	0	

nth te- ated ition ons	First Stage of Algorithm						Second Stage of Algorithm—Cumulative Res				
	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	541	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	11	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	20	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	111	0	0	0	0	0
0	0	0	0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	57	0	0	0	0	0
0	0	0	0	0	0	29	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	26	0	0	0	0	0
0	0	0	0	0	0	30	0	0	0	0	0
0	0	0	0	0	0	82	0	0	0	0	0
0	0	0	0	0	0	35	0	0	0	0	0
0	0	0	0	0	0	34	0	0	0	0	0
0	0	0	0	0	0	54	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	115	0	0	0	0	0
0	0	0	0	0	0	468	0	0	0	0	0
0	0	0	0	0	0	9	0	0	0	0	0
0	0	0	0	0	0	78	0	0	0	0	0
0	0	0	0	0	0	12	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	40	0	0	0	0	0
0	0	0	0	0	0	83	0	0	0	0	0
0	0	0	0	0	0	75	0	0	0	0	0
0	0	0	0	0	0	217	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	4	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	5	0	0	0	0	0
0	0	0	0	0	0	23	0	0	0	0	0
0	0	0	0	0	0	22	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	39	0	0	0	0	0
0	0	0	0	0	0	15	0	0	0	0	0
0	0	0	0	0	0	67	0	0	0	0	0
0	0	0	0	0	0	13	0	0	0	0	0
0	0	0	0	0	0	7	0	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0

Second Stage of Algorithm—Cumulative Results						
Position not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
5	0	0	0	0	0	5
76	0	0	0	0	0	76
1	0	0	0	0	0	1
27	0	0	0	0	1	27
65	0	0	0	0	1	65
30	0	0	0	0	0	30
436	0	0	0	0	0	436
8	0	0	0	0	0	8
0	5730	8	16	3	0	5
432	0	0	0	0	10	432
771	0	0	0	0	15	771
2673	0	0	0	0	5	2673
1073	0	0	0	0	3	1073
399	0	0	0	0	11	399
131	0	0	0	0	3	131
330	0	0	0	0	0	330
5616	0	0	0	0	0	5616
7	0	0	0	0	0	7
40	0	0	0	0	0	40
448	0	0	0	0	0	448
318	0	0	0	0	4	318
263	0	0	0	0	0	263
11	0	0	0	0	0	11
237	0	0	0	0	0	237
70	0	0	0	0	0	70
7	0	0	0	0	0	7
5	0	0	0	0	0	5
18	0	0	0	0	0	18
28	0	0	0	0	0	28
1	0	0	0	0	0	1
4	0	0	0	0	0	4
2	0	0	0	0	0	2
12	0	0	0	0	0	12
63	0	0	0	0	0	63
128	0	0	0	0	0	128
35	0	0	0	0	0	35
9	0	0	0	0	0	9
8	0	0	0	0	0	8
137	0	0	0	0	0	137
21	0	0	0	0	0	21
6	0	0	0	0	0	6
2	0	0	0	0	0	2
42	0	0	0	0	0	42
2	0	0	0	0	0	2
3	0	0	0	0	0	3
7	0	0	0	0	0	7
4	0	0	0	0	0	4
1	0	0	0	0	0	1
2	0	0	0	0	0	2
26	0	0	0	0	0	26
1	0	0	0	0	0	1
396	0	0	0	0	0	396
18	0	0	0	0	0	18
2	0	0	0	0	0	2

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Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

			First Stage of Al				
Occupational series			Fourth Estate-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncer- no designr
5323	OILING AND GREASING	1	0	0	0	0	
5330	PRINTING EQUIPMENT REPAIRING	9	0	0	0	0	
5350	PRODUCTION MACHINERY MECHANIC	75	1	0	0	0	
5352	INDUSTRIAL EQUIPMENT MECHANIC	211	0	0	0	0	
5364	DOOR SYSTEMS MECHANIC	2	0	0	0	0	
5378	POWERED SUPPORT SYSTEMS MECHANIC	13	0	0	0	0	
5401	MISCELLANEOUS INDUSTRIAL EQUIPMENT	31	0	0	0	0	
5402	BOILER PLANT OPERATING	50	0	0	0	0	
5406	UTILITY SYSTEMS OPERATING	14	0	0	0	0	
5407	ELECTRIC POWER CONTROLLING	5	0	0	0	0	
5408	SEWAGE DISPOSAL PLANT OPERATING	2	0	0	0	0	
5413	FUEL DISTRIBUTION SYSTEM OPERATING	1	0	0	0	0	
5414	BALING MACHINE OPERATING	1	0	0	0	0	
5423	SANDBLASTING	16	0	0	0	0	
5435	CARTON/BAG MAKING MACHINE OPERATING	53	0	0	0	0	
5438	ELEVATOR OPERATING	1	0	0	0	0	
5439	TESTING EQUIPMENT OPERATING	3	0	0	0	0	
5440	PACKAGING MACHINE OPERATING	3	0	0	0	0	
5446	TEXTILE EQUIPMENT OPERATING	1	0	0	0	0	
5450	CONVEYOR OPERATING	11	0	0	0	0	
5455	PAPER PULPING MACHINE OPERATING	3	0	0	0	0	
5701	TRANSPORTATION/MOBILE EQUIPMENT	110	0	0	0	0	
5703	MOTOR VEHICLE OPERATING	627	0	0	0	0	
5704	FORK LIFT OPERATING	207	0	0	0	0	
5705	TRACTOR OPERATING	41	0	0	0	0	
5706	ROAD SWEEPER OPERATING	3	0	0	0	0	
5707	TANK DRIVING	2	0	0	0	0	
5716	ENGINEERING EQUIPMENT OPERATING	26	0	0	0	0	
5725	CRANE OPERATING	95	0	0	0	0	
5736	BRAKING-SWITCHING & CONDUCTING	3	0	0	0	0	
5737	LOCOMOTIVE ENGINEERING	3	0	0	0	0	
5801	TRANSPORTATION/MOBILE EQUIPMENT	14	0	0	0	0	
5803	HEAVY MOBILE EQUIPMENT MECHANIC	140	0	0	0	0	
5806	MOBILE EQUIPMENT SERVICING	7	0	0	0	0	
5823	AUTOMOTIVE MECHANIC	75	0	0	0	0	
5876	ELECTROMOTIVE EQUIP MECH	27	0	0	0	0	
6501	MISC AMMO,EXPLOSIVES,& TOXIC MTS WK	6	0	0	0	0	
6511	MISSILE/TOXIC MATERIALS HANDLING	2	0	0	0	0	
6601	MISC ARMAMENT WORK	1	0	0	0	0	
6605	ARTILLERY REPAIRING	3	0	0	0	0	
6610	SMALL ARMS REPAIRING	5	0	0	0	0	
6901	MISC WAREHOUSING & STOCK HANDING	258	0	0	0	0	
6902	LUMBER HANDLING	2	0	0	0	0	
6904	TOOL & PARTS ATTENDING	38	0	0	0	0	
6907	MATERIALS HANDLING	5769	0	0	0	0	
6910	MATERIALS EXPEDITING	114	0	0	0	0	
6912	MATERIALS EXAMINING AND IDENTIFYING	2252	0	0	0	0	
6914	STORE WORKING	3399	0	0	0	0	
6968	AIRCRAFT FREIGHT LOADING	2	0	0	0	0	
7001	MISCELLANEOUS PACKING & PROCESSING	66	0	0	0	0	
7002	PACKING	1829	0	0	0	0	
7004	PRESERVATION PACKAGING	343	0	0	0	0	
7006	PRESERVATION SERVICING	131	0	0	0	0	
7009	EQUIPMENT CLEANING	5	0	0	0	0	

First Stage of Algorithm						Second Stage of Algorithm—Cumulative Results						
Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	9	0	0	0	0	0	0	0
0	0	0	0	1	74	0	0	0	0	1	0	1
0	0	0	0	0	211	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	13	0	0	0	0	0	0	0
0	0	0	0	0	31	0	0	0	0	0	0	0
0	0	0	0	0	50	0	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	16	0	0	0	0	0	0	0
0	0	0	0	0	53	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	11	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	110	0	0	0	0	0	0	0
0	0	0	0	0	627	0	0	0	0	0	0	0
0	0	0	0	0	207	0	0	0	0	0	0	0
0	0	0	0	0	41	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	26	0	0	0	0	0	0	0
0	0	0	0	0	95	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	14	0	0	0	0	0	0	0
0	0	0	0	0	140	0	0	0	0	0	0	0
0	0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	75	0	0	0	0	0	0	0
0	0	0	0	0	27	0	0	0	0	0	0	0
0	0	0	0	0	6	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0	0
0	0	0	0	0	258	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	38	0	0	0	0	0	0	0
0	0	0	0	0	5769	0	0	0	0	0	0	0
0	0	0	0	0	114	0	0	0	0	0	0	0
0	0	0	0	0	2252	0	0	0	0	0	0	0
0	0	0	0	0	3399	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	66	0	0	0	0	0	0	0
0	0	0	0	0	1829	0	0	0	0	0	0	0
0	0	0	0	0	343	0	0	0	0	0	0	0
0	0	0	0	0	131	0	0	0	0	0	0	0
0	0	0	0	0	5	0	0	0	0	0	0	0

Second Stage of Algorithm—Cumulative Results						
Acquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
1	0	0	0	0	0	1
9	0	0	0	0	0	9
74	0	0	0	0	1	74
211	0	0	0	0	0	211
2	0	0	0	0	0	2
13	0	0	0	0	0	13
31	0	0	0	0	0	31
50	0	0	0	0	0	50
14	0	0	0	0	0	14
5	0	0	0	0	0	5
2	0	0	0	0	0	2
1	0	0	0	0	0	1
1	0	0	0	0	0	1
16	0	0	0	0	0	16
53	0	0	0	0	0	53
1	0	0	0	0	0	1
3	0	0	0	0	0	3
3	0	0	0	0	0	3
1	0	0	0	0	0	1
11	0	0	0	0	0	11
3	0	0	0	0	0	3
110	0	0	0	0	0	110
627	0	0	0	0	0	627
207	0	0	0	0	0	207
41	0	0	0	0	0	41
3	0	0	0	0	0	3
2	0	0	0	0	0	2
26	0	0	0	0	0	26
95	0	0	0	0	0	95
3	0	0	0	0	0	3
3	0	0	0	0	0	3
14	0	0	0	0	0	14
140	0	0	0	0	0	140
7	0	0	0	0	0	7
75	0	0	0	0	0	75
27	0	0	0	0	0	27
6	0	0	0	0	0	6
2	0	0	0	0	0	2
1	0	0	0	0	0	1
3	0	0	0	0	0	3
5	0	0	0	0	0	5
258	0	0	0	0	0	258
2	0	0	0	0	0	2
38	0	0	0	0	0	38
5769	0	0	0	0	0	5769
114	0	0	0	0	0	114
2252	0	0	0	0	0	2252
3399	0	0	0	0	0	3399
2	0	0	0	0	0	2
66	0	0	0	0	0	66
1829	0	0	0	0	0	1829
343	0	0	0	0	0	343
131	0	0	0	0	0	131
5	0	0	0	0	0	5

3

Table I-2. Summary of Fourth Estate Algorithm Results by Occupational Series

			First Stage of					
Occupational series			Total positions	Fourth Estate-designated acquisition positions	Acquisition position and designated	Possible error of omission	Uncertain designated	Un des
7404	COOKING		3	0	0	0	0	
7407	MEAT CUTTING		1743	0	0	0	0	
8801	MISCELLANEOUS AIRCRAFT OVERHAUL		3	0	0	0	0	
9055	PHOTO SOLUTION MIXING		2	0	0	0	0	
Total for Component: DD			120118	21854	7138	247	14471	

First Stage of Algorithm					Second Stage of Algorithm—Cumulative Results					
Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
0	0	0	0	3	0	0	0	0	0	3
0	0	0	0	1743	0	0	0	0	0	1743
0	0	0	0	3	0	0	0	0	0	3
0	0	0	0	2	0	0	0	0	0	2
247	14471	27216	245	70860	20823	769	393	551	1000	96582

Second Stage of Algorithm—Cumulative Results						
Acquisition not designated	Acquisition position and designated	Possible error of omission	Uncertain designated	Uncertain not designated	Possible error of commission	Nonacquisition and not designated
3	0	0	0	0	0	3
1743	0	0	0	0	0	1743
3	0	0	0	0	0	3
2	0	0	0	0	0	2
70860	20823	769	393	551	1000	96582

③

Appendix J

ARMY FEEDBACK ON ALGORITHM RESULTS

The Army took the detailed results of the algorithm that we provided to them and checked them to determine if they were valid. They checked a sample of the occupational series in which positions were identified as possible errors of omission or commission. Table J-1 shows results for possible errors of commission results.

Table J-1. Summary of Army Scrub of Possible Errors of Commission

Series	Algorithm results	Army-validated numbers
0301	80	77
0334	77	33
0343	29	25
0346	62	42
0560	33	27
0802	34	26
0810	721	311
1670	97	60
1910	15	9

The validation of actual errors of commission was high. The large discrepancy for civil engineers (0810 series) is explained by the fact that 410 positions had incumbents who were warranted contracting officers in the Army Corps of Engineers. The owning commands for the 37 equipment specialists (1670 series) and 8 engineering technicians (0802 series) that were not validated stated that the positions warranted inclusion in the acquisition workforce. In the case of the 1670 series, the 37 positions are involved in integrated logistics support.

Table J-2 shows the results for possible errors of omission. The Army also scrubbed a sample of the occupational series. In this case, the Army validated a high number of the identified possible errors of omission. The exception was in occupational series 1106, and the Army now takes the stance that positions in the 1106 series should not be designated as acquisition-workforce positions. The Navy also agrees with this position. Ironically, the Air Force feels strongly that all positions in the 1106 series should be part of the workforce.

Table J-2. Summary of Army Scrub of Possible Errors of Omission

Series	Algorithm results	Army- validated numbers
0301	382	269
0334	243	146
0343	287	279
0346	165	163
0560	106	90
0801	100	95
0830	116	83
0855	158	78
0861	65	17
1106	209	0
1515	188	169

Appendix K

INCONSISTENCIES IN ACQUISITION POSITION DESIGNATION

Series Designated Inconsistently Across Military Departments

The series designated inconsistently across the military departments are accounting (0510), civil engineering (0810), industrial engineering (0896), industrial specialist (1150), mathematics (1520), and computer science (1550). The data for these series are presented in Figures K-1 through K-6, respectively.

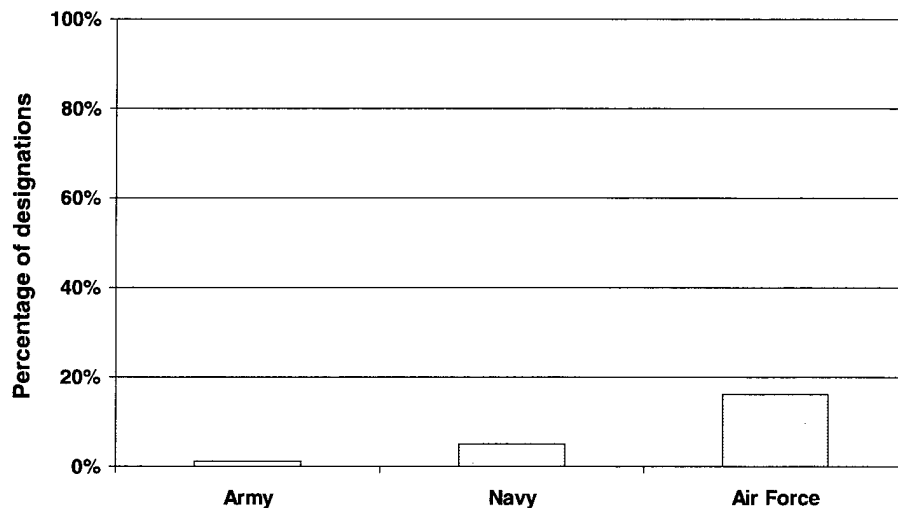


Figure K-1. Acquisition Designation of Accounting, Series 0510

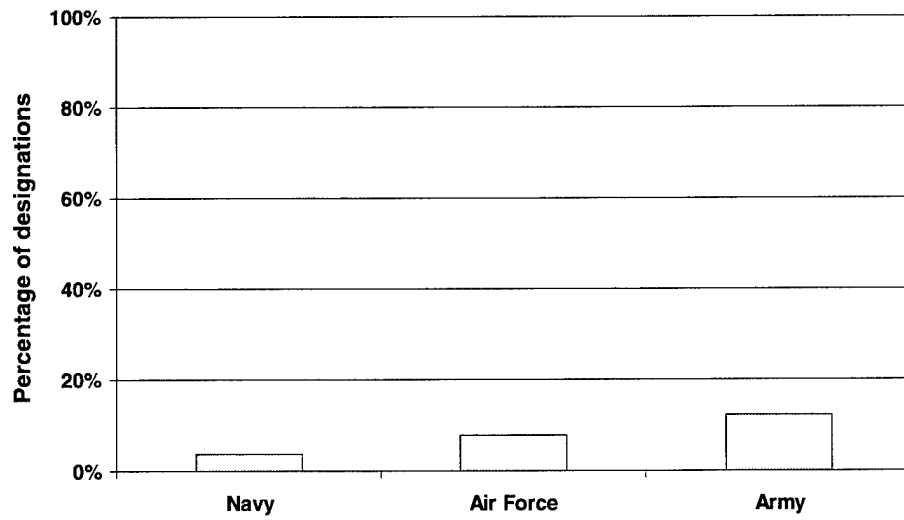


Figure K-2. Acquisition Designation of Civil Engineering, Series 0810

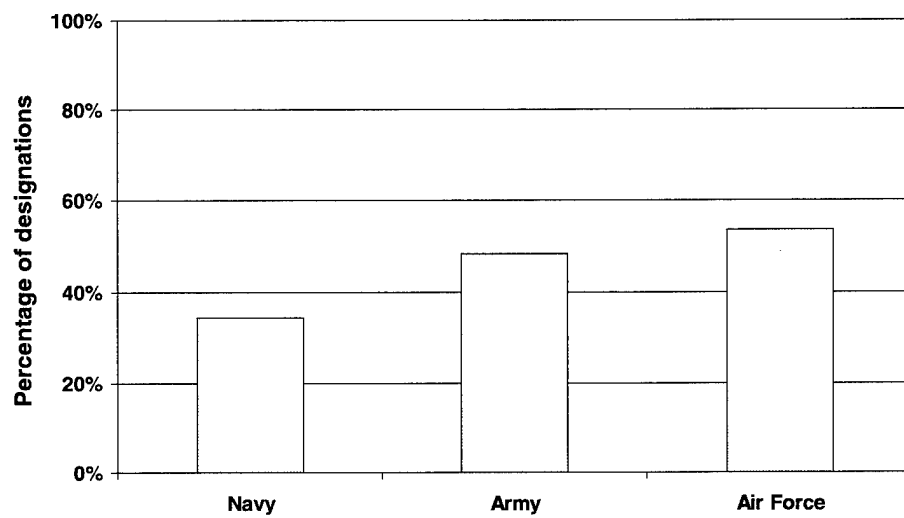


Figure K-3. Acquisition Designation of Industrial Engineering, Series 0896

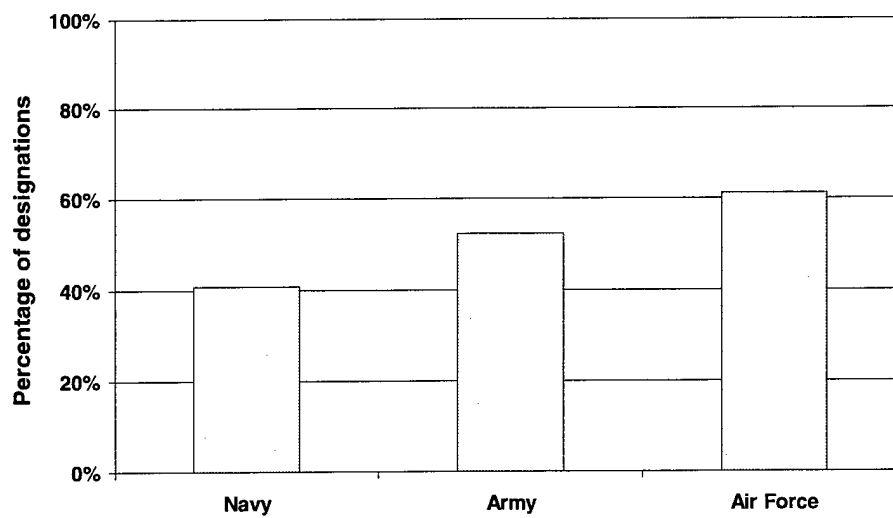


Figure K-4. Acquisition Designation of Industrial, Series 1150

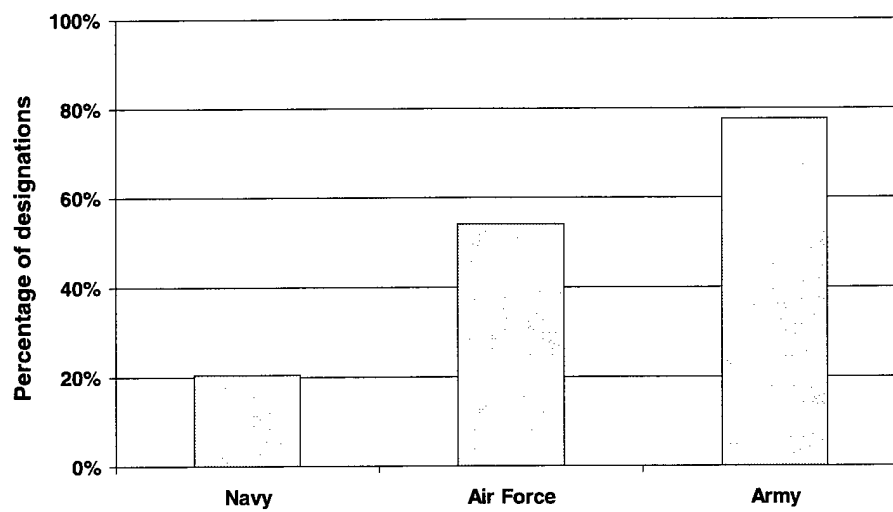


Figure K-5. Acquisition Designation of Mathematics, Series 1520

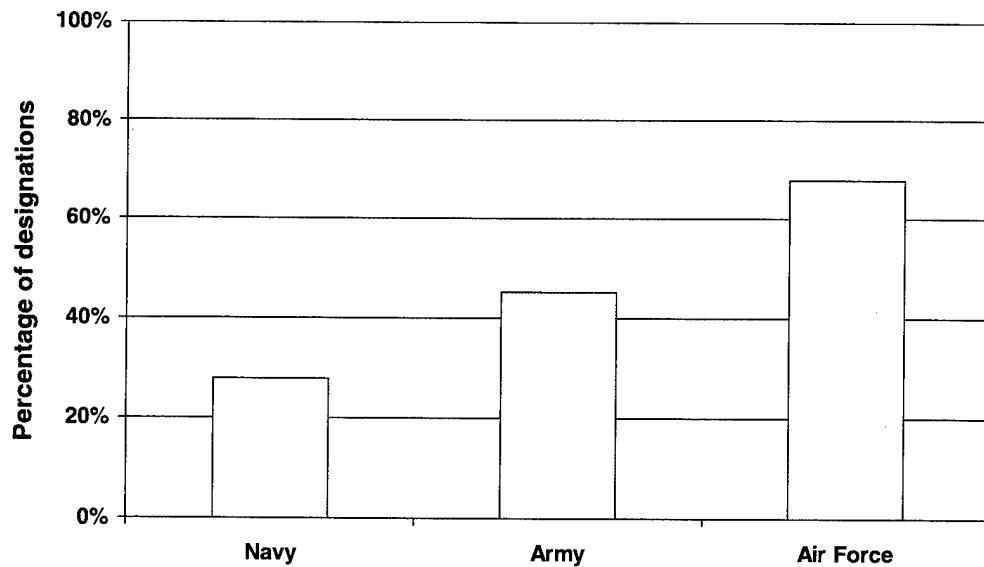


Figure K-6. Acquisition Designation of Computer Science, Series 1550

Series in Which One Military Department's Acquisition-Position Designations Were Inconsistent with the Other Two

The series in this category are psychology (0180), miscellaneous program and administration (0301), logistics management (0346), financial administration and program (0501), budget analysis (0560), general engineering (0801), materials engineering (0806), mechanical engineering (0830), general business and industry (1101), procurement clerical and assistance (1106), production control (1152), general physical science (1301), physics (1310), chemistry (1320), and quality assurance (1910). The data for these series are present in Figures K-7 through K-21, respectively.

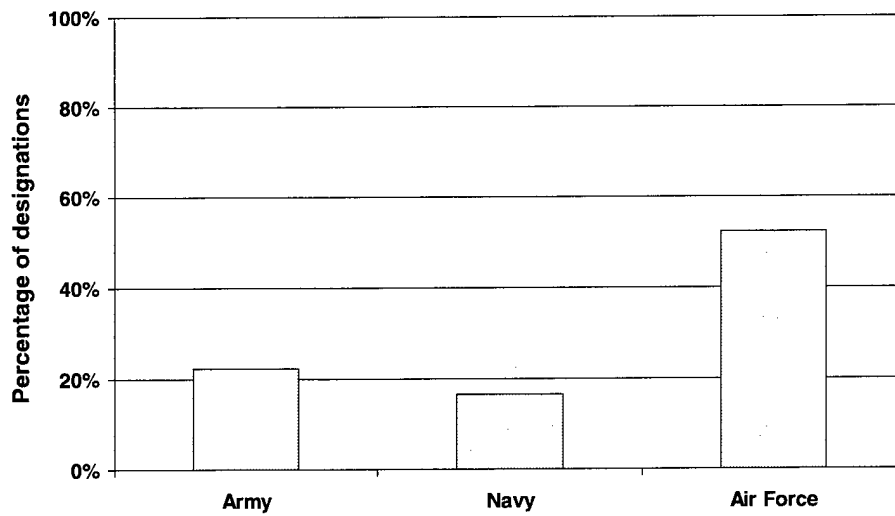


Figure K-7. Acquisition Designation of Psychology, Series 0180

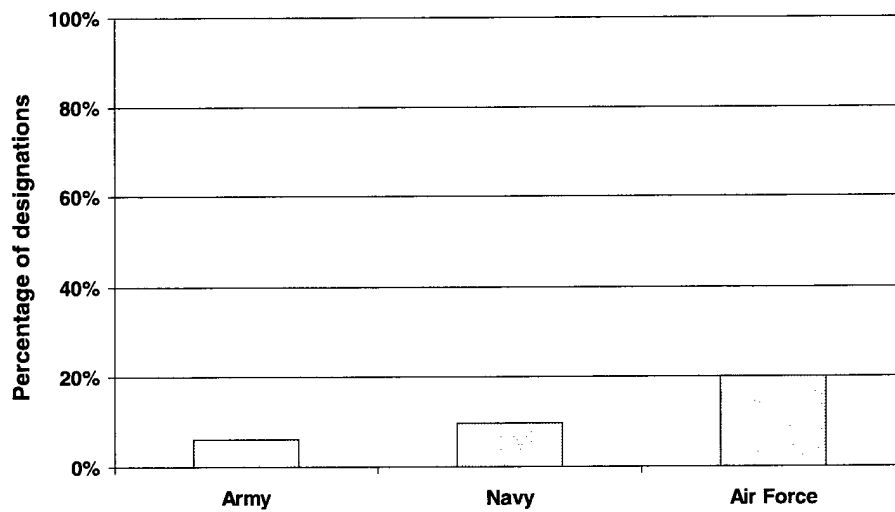


Figure K-8. Acquisition Designation of Miscellaneous Program and Administration, Series 0301

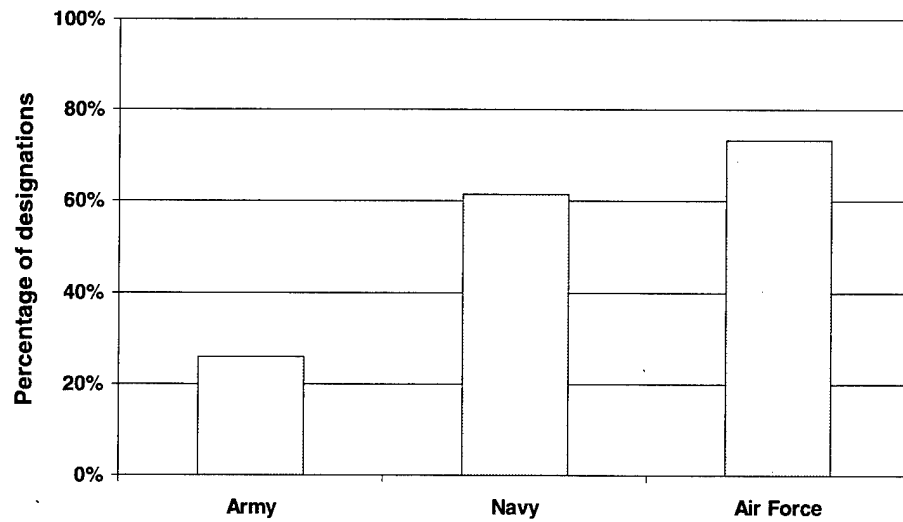


Figure K-9. Acquisition Designation of Logistics Management, Series 0346

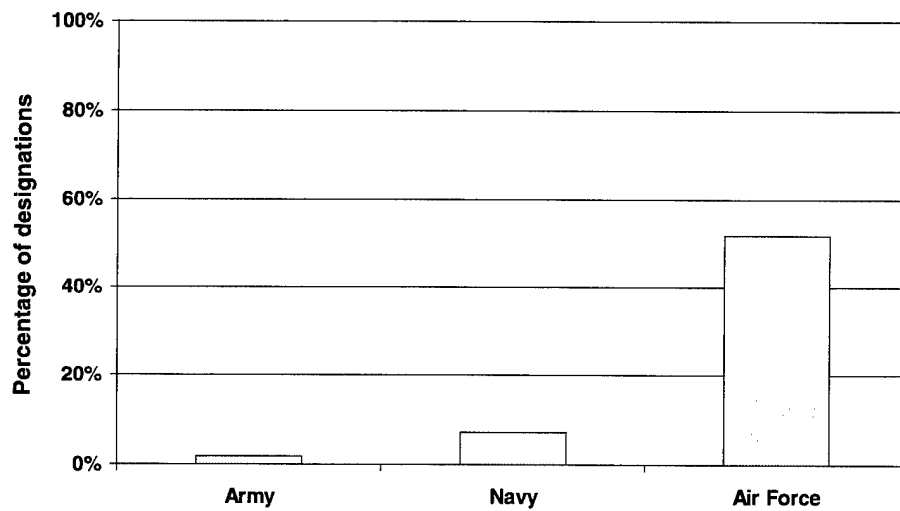


Figure K-10. Acquisition Designation of Financial Administration and Program, Series 0501

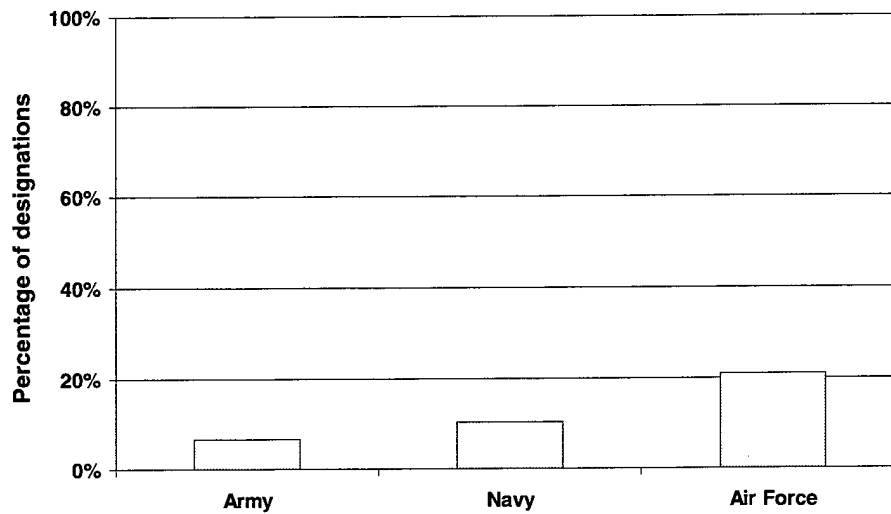


Figure K-11. Acquisition Designation of Budget Analysis, Series 0560

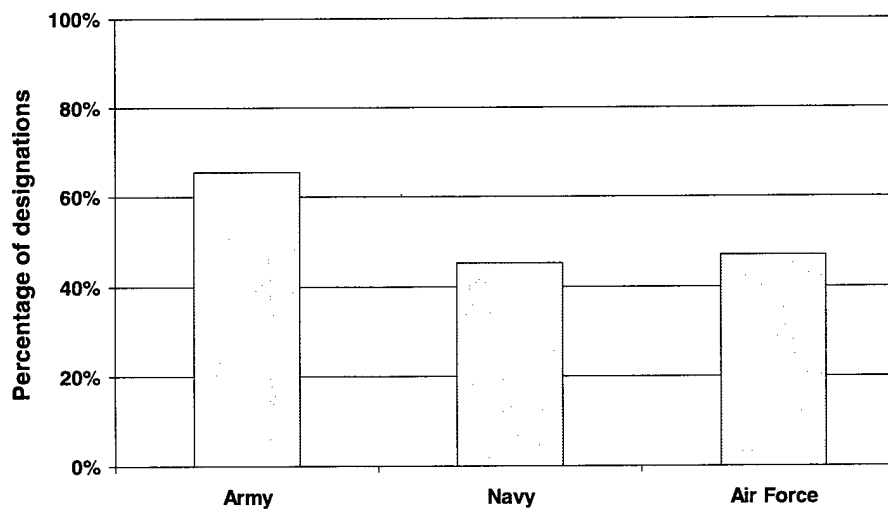


Figure K-12. Acquisition Designation of General Engineering, Series 0801

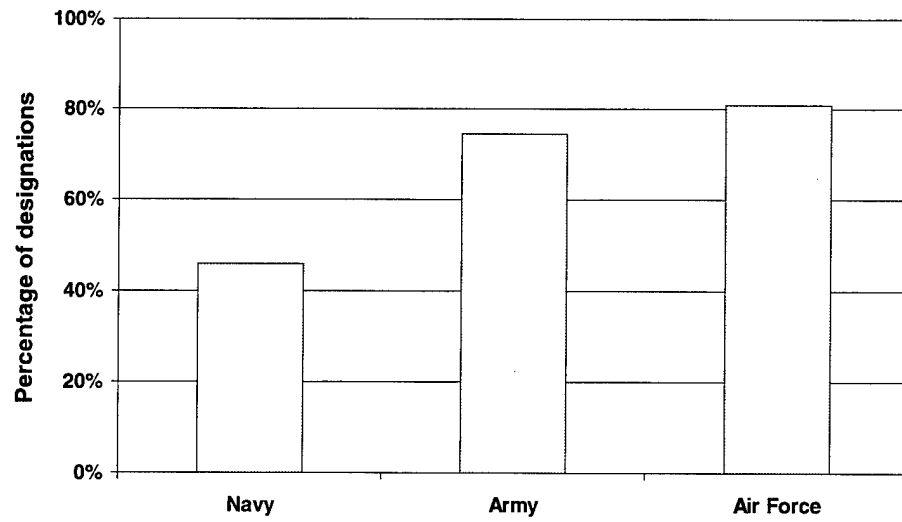


Figure K-13. Acquisition Designation of Materials Engineering, Series 0806

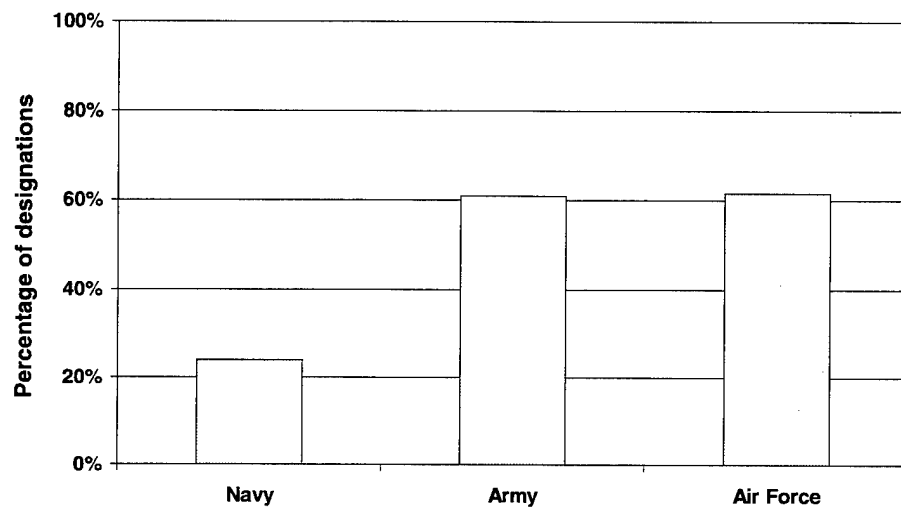


Figure K-14. Acquisition Designation of Mechanical Engineering, Series 0830

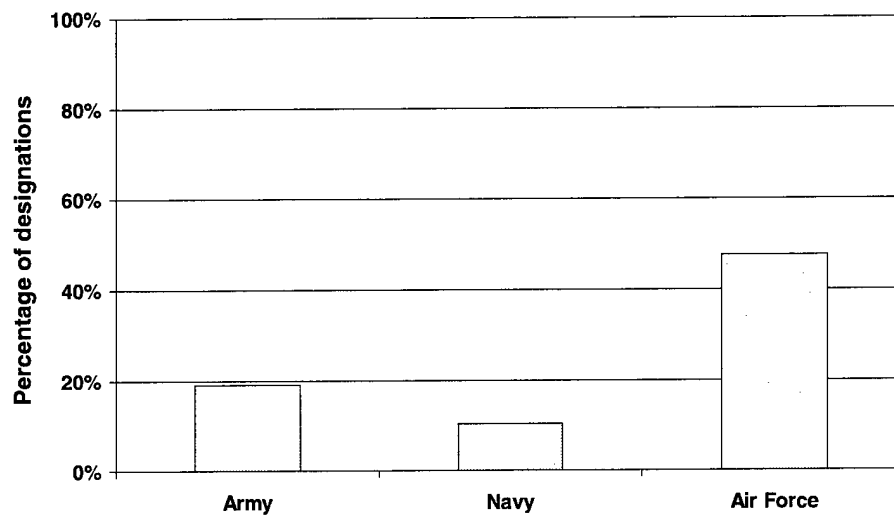


Figure K-15. Acquisition Designation of General Business and Industry, Series 1101

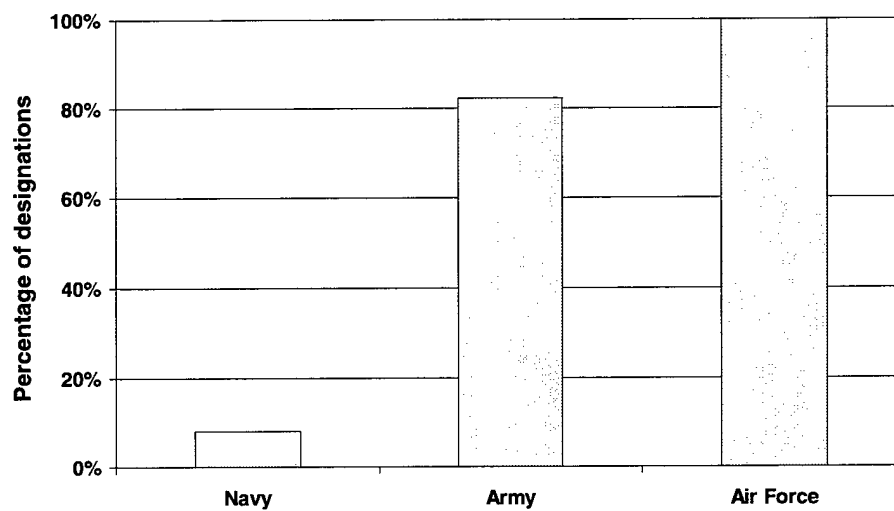


Figure K-16. Acquisition Designation of Procurement Clerical and Assistance, Series 1106

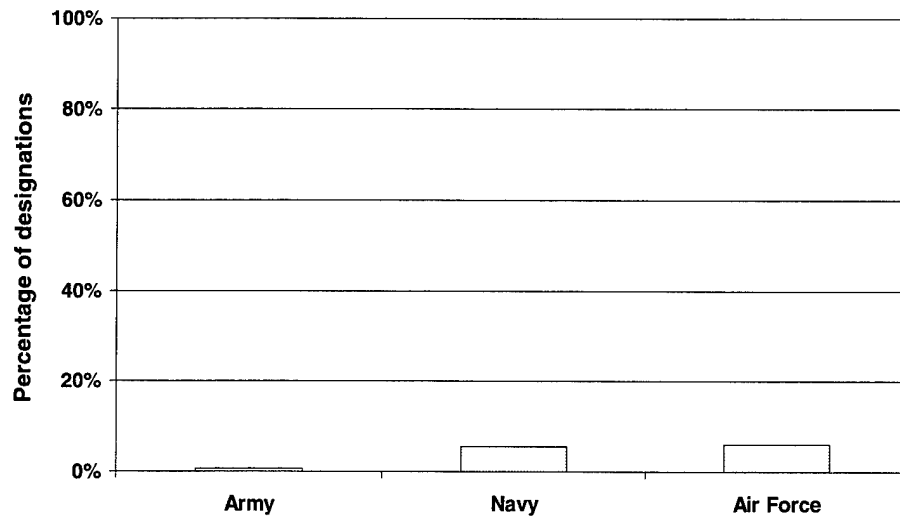


Figure K-17. Acquisition Designation of Production Control, Series 1152

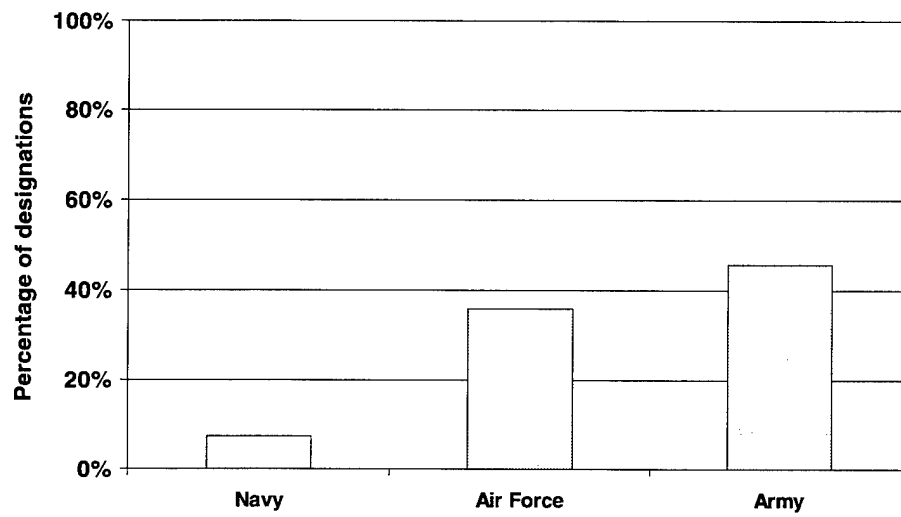


Figure K-18. Acquisition Designation of General Physical Science, Series 1301

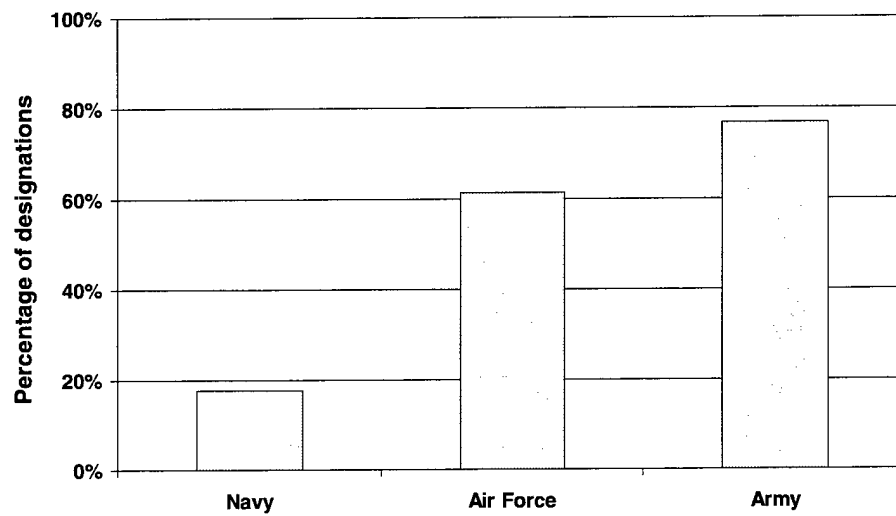


Figure K-19. Acquisition Designation of Physics, Series 1310

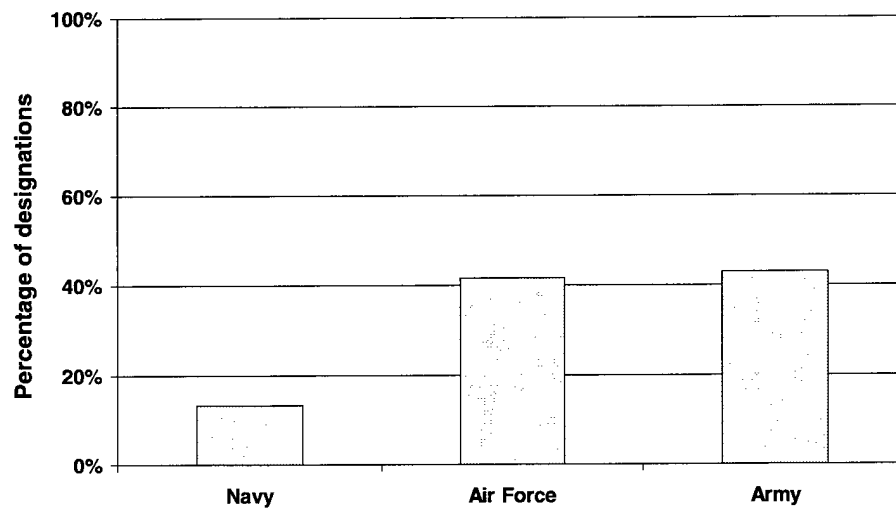


Figure K-20. Acquisition Designation of Chemistry, Series 1320

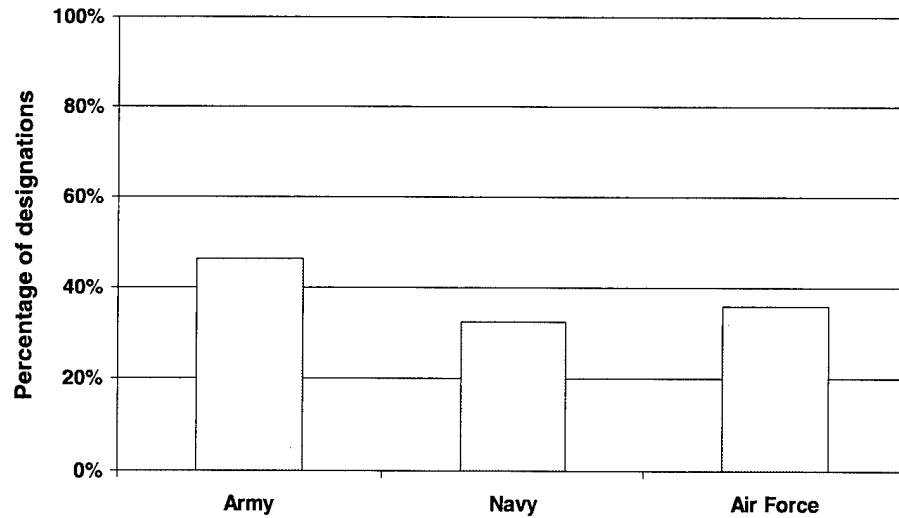


Figure K-21. Acquisition Designation of Quality Assurance, Series 1910

Series with Consistent Acquisition-Position Designations

The series with consistent acquisition-position designations across all three military departments are management and program analysis (0343), environmental engineering (0819), electrical engineering (0850), contracting (1102), purchasing (1105), and operations research (1102). The data for these series are presented in Figures K-22 through K-27, respectively.

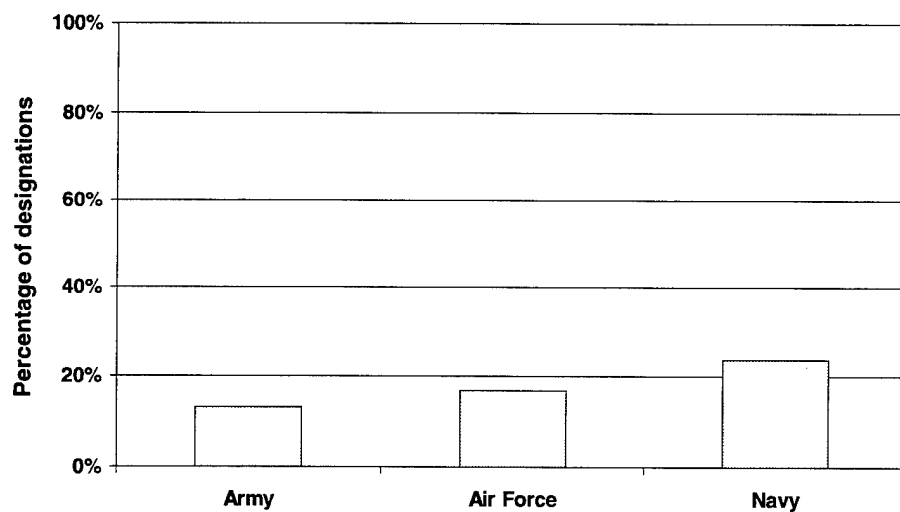


Figure K-22. Acquisition Designation of Management and Program Analysis, Series 0343

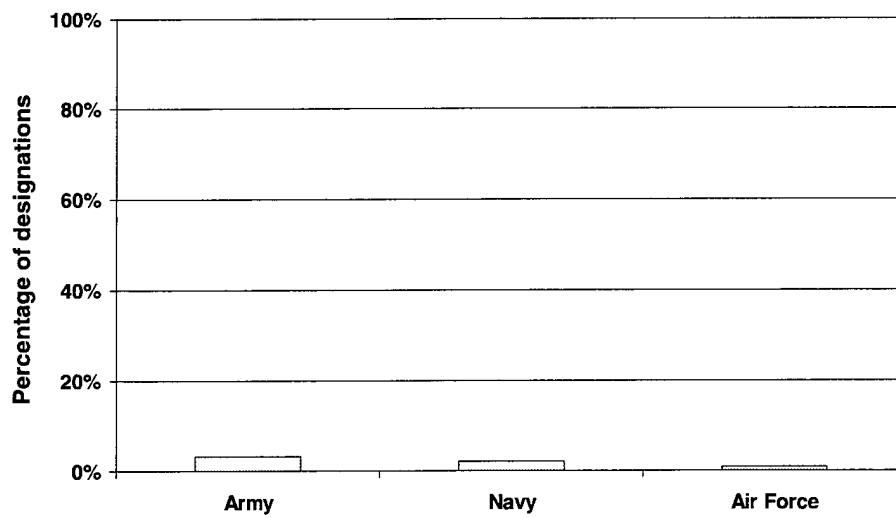


Figure K-23. Acquisition Designation of Environmental Engineering, Series 0819

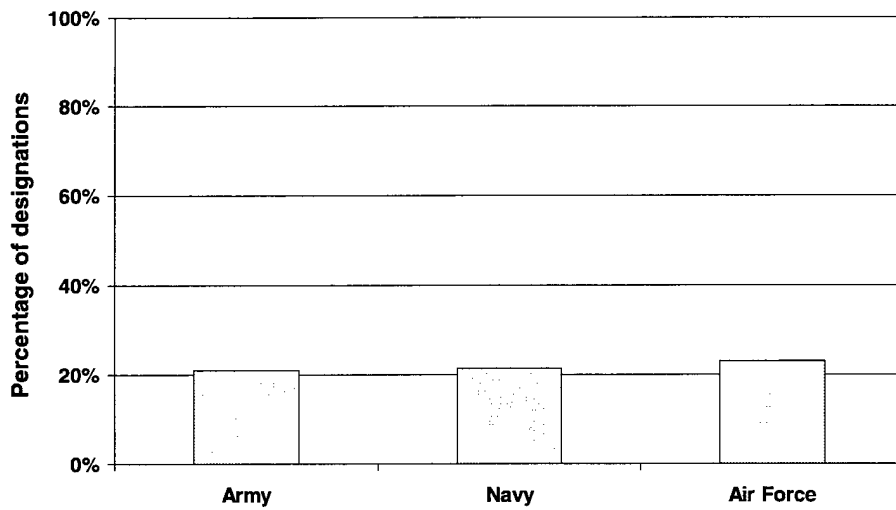


Figure K-24. Acquisition Designation of Electrical Engineering, Series 0850

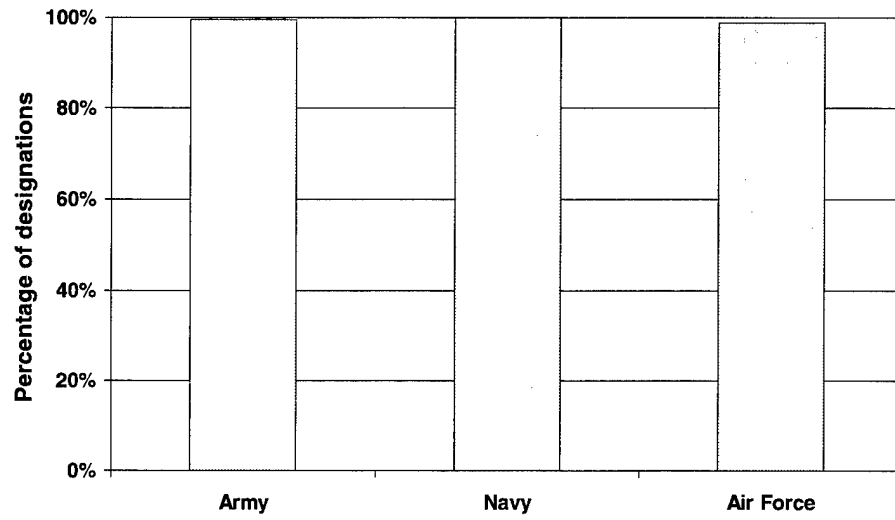


Figure K-25. Acquisition Designation of Contracting, Series 1102

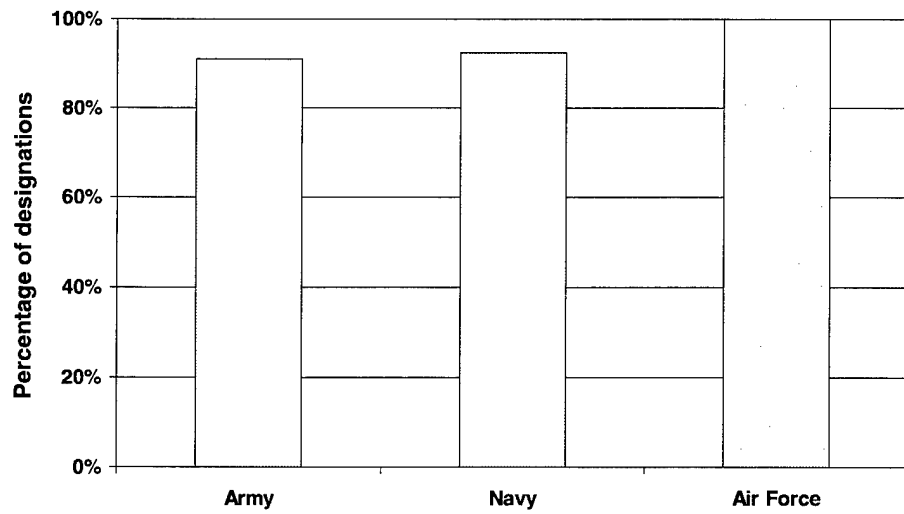


Figure K-26. Acquisition Designation of Purchasing, Series 1105

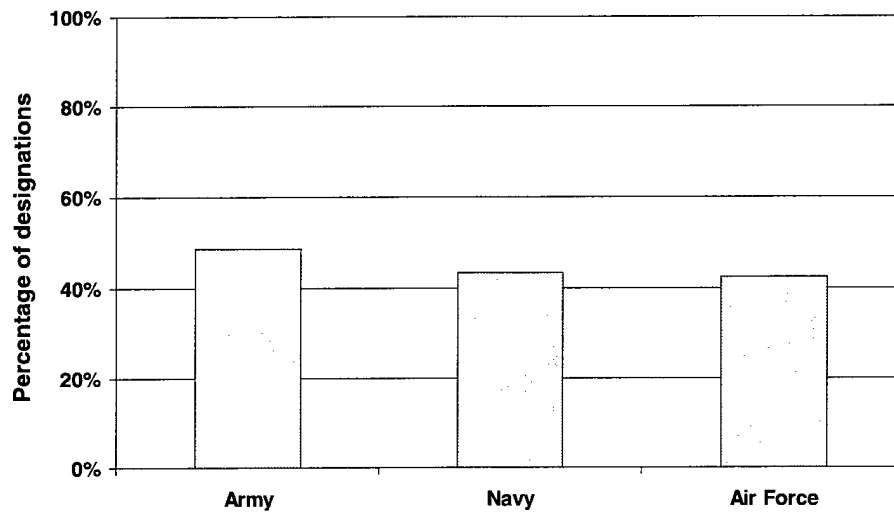


Figure K-27. Acquisition Designation of Operations Research, Series 1515

Appendix L

GLOSSARY

ACAT	Acquisition Category
ACPRB-WG	Acquisition Career Program Review Board Working Group
AFMC	Air Force Materiel Command
AFSC	Air Force specialty code
AIS	automated information system
ALC	air logistics center
AMC	Army Material Command
AOC	area of concentration
AQD	additional qualification designator
BCE&FM	business, cost estimating, and financial management
CPCN	civilian position control number
DAWIA	Defense Acquisition Workforce Improvement Act
DBOF	Defense Business Operations Fund
DMDC	Defense Manpower Data Center
DoDI	Department of Defense instruction
ET&CD	education, training, and career development
FA	functional area
GS	General Schedule
HQ	headquarters
ILS	integrated logistics support
ILSM	integrated logistics support manager
LROL	lowest relevant organizational level
MFP	Major Force Program
MIS	Management Information System
MOS	military occupational specialty

NAVAIR	Naval Air Systems Command
NAVSEA	Naval Sea Systems Command
NISE	naval in-service engineering
NCCOSC	Naval Command and Control Ocean Systems Center
NRL	Naval Research Laboratory
OALC	Ogden Air Logistics Center
OKCALC	Oklahoma City Air Logistics Center
Ord Ctr	Ordnance Center
OSD	Office of the Secretary of Defense
OUSDA(A&T)	Office of the Undersecretary of Defense (Acquisition and Technology)
PAS	personnel accounting symbol (U.S. Air Force)
PEO	program executive officer
PM	program manager
RDT&E	Research, Development, Test and Evaluation
RLA	required language ability
SACALC	Sacramento Air Logistics Center
SAF/AQC	Assistant Secretary of the Air Force for Acquisition
SATALC	San Antonio Air Logistics Center
S&T	science and technology
SECNAVINST	Secretary of the Navy Instruction
SES	Senior Executive Service
SPAWAR	Space and Naval Warfare Systems Command
SPRDE	systems planning, research, development, and engineering
SSN	Social Security Number
SUPSHIPS	supervisor of shipbuilding, conversion, and repair
SWCC	Standard Work Center Code
T&E	test and evaluation
UIC	unit identification code
U.S.C.	United States Code
Wpn Sta	Weapons Station
WRALC	Warner Robins Air Logistics Center

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